

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

M protein - protein search, using sw model

run on: March 8, 2004, 15:02:19 ; Search time 35.7101 Seconds
(without alignments)
161.918 Million cell updates/sec

Title: US-09-724-530-2
Perfect score: 587
Sequence: 1 DVVVQTPLSLPVSGLQAQAS.....CSQTHVPTWFGGCKLEIQ 112

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

searched: 389414 seqs, 51625971 residues

total number of hits satisfying chosen parameters: 389414

inimum DB seq length: 0
aximum DB seq length: 2000000000

ost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

atabase : Issued Patents AA:*
1: /cgn2_6/prodata/2/aa/5A-COMB.pep:*
2: /cgn2_6/prodata/2/aa/5B-COMB.pep:*
3: /cgn2_6/prodata/2/aa/6A-COMB.pep:*
4: /cgn2_6/prodata/2/aa/6B-COMB.pep:*
5: /cgn2_6/prodata/2/aa/PTUS-COMB.pep:*
6: /cgn2_6/prodata/2/aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	ID	Description
1	550	93.7	238	2	US-08-224-591-12
2	550	93.7	238	2	US-08-392-338A-21
3	550	93.7	238	2	US-08-926-789-12
4	550	93.7	238	3	US-09-166-750-21
5	550	93.7	238	3	US-09-166-093-21
6	550	93.7	238	3	US-09-172-019-21
7	550	93.7	238	3	US-09-166-094-21
8	550	93.7	238	4	US-09-443-213-21
9	550	93.7	239	5	PCT-US93-11138-12
10	550	93.7	240	2	US-08-392-338A-11
11	550	93.7	240	3	US-09-166-750-11
12	550	93.7	240	3	US-09-166-093-11
13	550	93.7	240	3	US-09-172-019-11
14	550	93.7	240	3	US-09-166-094-11
15	550	93.7	240	4	US-09-443-213-11
16	550	93.7	250	2	US-08-392-338A-15
17	550	93.7	250	3	US-09-166-750-15
18	550	93.7	250	3	US-09-166-093-15
19	550	93.7	250	3	US-09-172-019-15
20	550	93.7	250	3	US-09-166-094-15
21	550	93.7	250	4	US-09-443-213-15
22	550	93.7	253	2	US-08-392-338A-17
23	550	93.7	253	3	US-09-166-750-17
24	550	93.7	253	3	US-09-166-093-17
25	550	93.7	253	3	US-09-172-019-17
26	550	93.7	253	3	US-09-166-094-17
27	550	93.7	253	4	US-09-443-213-17

RESULT 1
US-08-224-591-12
; Sequence 12, Application US/08224591
; Patent No. 5856456
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Filipula, David
; TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/224,591
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/002,845
; FILING DATE: 15-JAN-1993
; APPLICATION NUMBER: US 07/980,529
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.1920002/JAG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 238 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-224-591-12

ALIGNMENTS

Query Match 93.7%; Score 550; DB 2; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 DVVVQTPLSLPVSGLQAQASICRSSLVHNSNGTFHMYLQKPGSQKLLITYVSNRF 60

Db 1 DVVVTQTPLSLPVSIGDQASISCRSSQSLVHSGNTYLRWYKQPGSPKLLIYKVSRRF 60
2y 61 SGVPRDRSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
Db 61 SGVPRDRSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIK 112

RESULT 2
US-08-392-338A-21
Sequence 21, Application US/08392338A
Patent No. 5669620
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Filpula, David
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/392,338A
FILING DATE: 22-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.0030007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-392-338A-21

Query Match 93.7%; Score 550; DB 2; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1 DVVVTQTPLSLPVSIGDQASISCRSSQSLVHSGNTYLRWYKQPGSPKLLIYKVSRRF 60
Db 1 DVVVTQTPLSLPVSIGDQASISCRSSQSLVHSGNTYLRWYKQPGSPKLLIYKVSRRF 60

2y 61 SGVPRDRSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
Db 61 SGVPRDRSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIK 112

RESULT 3
US-08-926-789-12
Sequence 12, Application US/08926789

Patent No. 5990275
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Filpula, David
TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Avenue, Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/926,789
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/224,591
FILING DATE:
APPLICATION NUMBER: US 08/002,845
FILING DATE: 15-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/980,529
FILING DATE: 20-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.1920002/JAG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-926-789-12

Query Match 93.7%; Score 550; DB 2; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1 DVVVTQTPLSLPVSIGDQASISCRSSQSLVHSGNTYLRWYKQPGSPKLLIYKVSRRF 60
Db 1 DVVVTQTPLSLPVSIGDQASISCRSSQSLVHSGNTYLRWYKQPGSPKLLIYKVSRRF 60

Qy 61 SGVPRDRSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
Db 61 SGVPRDRSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIK 112

RESULT 4
US-09-166-750-21
Sequence 21, Application US/09166750
Patent No. 6025165
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
APPLICANT: Rollence, Michelle
TITLE OF INVENTION: Methods for Producing Multivalent Antigen-Binding
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:

ADDRESS: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/166,750
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-166-750-21

Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

2Y 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||
Db 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||

2Y 61 SGVDPFRFSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGTKLEIQ 112
|||
Db 61 SGVDPFRFSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGTKLEIK 112
|||

RESULT 5
US-09-166-093-21
Sequence 21, Application US/09166093
Patent No. 6027725
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/166,093
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-166-093-21

Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||
Db 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||

QY 61 SGVDPFRFSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGTKLEIQ 112
|||
Db 61 SGVDPFRFSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGTKLEIK 112
|||

RESULT 6
US-09-172-019-21
Sequence 21, Application US/09172019
Patent No. 6103889
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
TITLE OF INVENTION: Nucleic Acid Molecules Encoding Single-Chain
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/172,019
FILING DATE: Herewith
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-172-019-21

Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 DVVTQTPLSLPVSLGQAQASISCRSSQSLVHNSGNTFLHWYLOKPGQSPKLLIYTVSNRP 60
DB 1 DVVMTQTPLSLPVSLGDAQASISCRSSQSLVHNSGNTYLRWYLOKPGQSPKVIYKYVSNRP 60
QY 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHTVPTWTFGGTKLEIQ 112
DB 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHTVPTWTFGGTKLEIK 112

RESULT 7
US-09-166-094-21
Sequence 21, Application US/09166094
Patent No. 6121424
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
APPLICANT: Rollence, Michelle
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/166,094
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-166-094-21

Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 DVVTQTPLSLPVSLGQAQASISCRSSQSLVHNSGNTFLHWYLOKPGQSPKLLIYTVSNRP 60
DB 1 DVVMTQTPLSLPVSLGDAQASISCRSSQSLVHNSGNTYLRWYLOKPGQSPKVIYKYVSNRP 60
QY 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHTVPTWTFGGTKLEIQ 112
DB 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHTVPTWTFGGTKLEIK 112

RESULT 8
US-09-443-213-21
Sequence 21, Application US/09443213
Patent No. 6515110
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
APPLICANT: Rollence, Michelle
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/443,213
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/166,094
FILING DATE: 05-OCT-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.

REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000E
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
JS-09-443-213-21

Query Match 93.7%; Score 550; DB 4; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

1 DVVVTQPLSLPVSGLQAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
1 DVVVTQPLSLPVSGLQAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
61 SGVPDRFSGSGGTDFTLKISRVEADLGIVYFCSTHVPWTFGGGTTKLEIQ 112
61 SGVPDRFSGSGGTDFTLKISRVEADLGIVYFCSTHVPWTFGGGTTKLEIK 112

RESULT 9
CT-US93-11138-12
Sequence 12, Application PC/TUS9311138
GENERAL INFORMATION:
APPLICANT: Enzon, Inc.
TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3934

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PC/US93/11138
FILING DATE: Herewith

APPLICATION NUMBER: 0977.003000E
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/980,529
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,845
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.2006604/JAG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 239 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
CT-US93-11138-12

Query Match 93.7%; Score 550; DB 5; Length 239;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

1 DVVVTQPLSLPVSGLQAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
1 DVVVTQPLSLPVSGLQAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
61 SGVPDRFSGSGGTDFTLKISRVEADLGIVYFCSTHVPWTFGGGTTKLEIQ 112
61 SGVPDRFSGSGGTDFTLKISRVEADLGIVYFCSTHVPWTFGGGTTKLEIK 112

RESULT 10
US-08-392-338A-11
Sequence 11, Application US/08392338A
Patent No. 5869620
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 22-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.0030007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-392-338A-11

Query Match 93.7%; Score 550; DB 2; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

1 DVVVTQPLSLPVSGLQAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
1 DVVVTQPLSLPVSGLQAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
61 SGVPDRFSGSGGTDFTLKISRVEADLGIVYFCSTHVPWTFGGGTTKLEIQ 112
61 SGVPDRFSGSGGTDFTLKISRVEADLGIVYFCSTHVPWTFGGGTTKLEIK 112

RESULT 11

JS-09-166-750-11
; Sequence 11, Application US/09166750
; Patent No. 6025165
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Methods for Producing Multivalent Antigen-Binding
; TITLE OF INVENTION: Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/166,750
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.003000C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-166-750-11

Query Match 93.7%; Score 550; DB 3; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 DVVVTQTPLSLPVSIGAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
DB 1 DVVMTQTPLSLPVSIGDQASISCRSSQSLVHSGNTFLRWYKQPGQSPKLLIYKVS NRF 60
QY 61 SGVDPDRFGSGSGTDTLTKISRVEADLGVYFCSTHVPWTFGGGTKLEIQ 112
DB 61 SGVDPDRFGSGSGTDTLTKISRVEADLGVYFCSTHVPWTFGGGTKLEIK 112

RESULT 12
US-09-166-093-11
; Sequence 11, Application US/09166093
; Patent No. 6027725
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.

; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/166,093
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.003000B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-166-093-11
Query Match 93.7%; Score 550; DB 3; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 DVVVTQTPLSLPVSIGAQASISCRSSQSLVHSGNTFLHWYKQPGQSPKLLIYTVSNRF 60
DB 1 DVVMTQTPLSLPVSIGDQASISCRSSQSLVHSGNTFLRWYKQPGQSPKLLIYKVS NRF 60
QY 61 SGVDPDRFGSGSGTDTLTKISRVEADLGVYFCSTHVPWTFGGGTKLEIQ 112
DB 61 SGVDPDRFGSGSGTDTLTKISRVEADLGVYFCSTHVPWTFGGGTKLEIK 112
RESULT 13
US-09-172-019-11
; Sequence 11, Application US/09172019
; Patent No. 6103889
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Single-Chain
; TITLE OF INVENTION: Antigen-Binding Proteins (As Amended)
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.

STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C. U.S.A.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/172.019
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-172-019-11

Query Match 93.7%; Score 550; DB 3; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

2y 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||
Db 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||
2y 61 SGVPDRFSGSGGTFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
|||
Db 61 SGVPDRFSGSGGTFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIK 112
|||

RESULT 14
US-09-166-094-11
; Sequence 11, Application US/09166094
; Patent No. 6121424
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/166,094
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-166-094-11

Query Match 93.7%; Score 550; DB 3; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||
Db 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
|||
Qy 61 SGVPDRFSGSGGTFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
|||
Db 61 SGVPDRFSGSGGTFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIK 112
|||

RESULT 15
US-09-443-213-11
; Sequence 11, Application US/09443213
; Patent No. 6515110
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/443,213
FILING DATE: Herewith
CLASSIFICATION:

```

PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 09/166,094
  FILING DATE: 05-OCT-1998
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/392,338
  FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 07/989,846
  FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 07/796,936
  FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
  NAME: Goldstein, Jorge A.
  REGISTRATION NUMBER: 29,021
  REFERENCE/DOCKET NUMBER: 0977.003000E
TELECOMMUNICATION INFORMATION:
  TELEPHONE: (202) 371-2600
  TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 240 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
MOLECULE TYPE: protein
JS-09-443-213-11

Query Match      93.7%; Score 550; DB 4; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.le-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

2Y 1 DVVVTQTPLSLPVSIGQAQASICRSSQSLVHSGNGTFLHWYLOKPGQSPKLLIYTVSNRF 60
   |||||
Db 1 DVVMTQTPLSLPVSIGPQASICRSSQSLVHSGNGTYLRWYLOKPGQSPKVLIRKVSNEF 60
   |||||

2Y 61 SGVDRFRSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGGTKLEIQ 112
   |||||
Db 61 SGVDRFRSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGGTKLEIK 112
   |||||
```

Search completed: March 8, 2004, 15:30:05
Job time : 35.7101 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:02:19 ; Search time 5.10145 Seconds
(without alignments)
161.918 Million cell updates/sec

Title: US-09-724-530-3

Perfect score: 83

Sequence: 1 RSSQSLVHNGNTFLH 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/2/iaa/5A COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5E COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	DB ID	Description
1	80	96.4	16	1	US-08-244-626-4
2	80	96.4	110	1	US-08-244-626-2
3	80	96.4	218	5	PCT-US94-14106-61
4	78	94.0	112	2	US-08-888-366-18
5	77	92.8	104	3	US-08-881-037-37
6	77	92.8	638	3	US-09-070-637-20
7	75	90.4	24	5	PCT-US91-02942-20
8	75	90.4	24	5	PCT-US91-02942-36
9	75	90.4	50	5	PCT-US91-02942-6
10	75	90.4	50	5	PCT-US91-02942-7
11	75	90.4	116	1	US-08-482-882-66
12	75	90.4	116	2	US-08-483-389-66
13	75	90.4	116	2	US-08-487-113D-66
14	75	90.4	116	2	US-08-473-503-66
15	75	90.4	116	2	US-08-483-932-66
16	75	90.4	116	2	US-08-720-420A-66
17	75	90.4	116	3	US-08-714-017-66
18	75	90.4	116	3	US-08-475-680-66
19	75	90.4	127	1	US-08-482-882-45
20	75	90.4	127	2	US-08-483-389-45
21	75	90.4	127	2	US-08-487-113D-45
22	75	90.4	127	2	US-08-473-503-45
23	75	90.4	127	2	US-08-483-932-45
24	75	90.4	127	2	US-08-720-420A-45
25	75	90.4	127	3	US-08-714-017-45
26	75	90.4	127	3	US-08-475-680-45
27	75	90.4	173	5	PCT-US91-02942-3

Sequence 3, Appli
Sequence 88, Appl
Sequence 88, Appl
Sequence 4, Appl
Sequence 8, Appl
Sequence 7, Appl
Sequence 4, Appl
Sequence 4, Appl
Sequence 1, Appl
Sequence 132, App
Sequence 51, Appl
Sequence 7, Appl
Sequence 12, Appl
Sequence 21, Appl
Sequence 12, Appl
Sequence 21, Appl

ALIGNMENTS

RESULT 1
US-08-244-626-4
; Sequence 4, Application US/08244626
; Patent No. 5502167
; GENERAL INFORMATION:
; APPLICANT: Waldmann, Herman
; APPLICANT: Walsh, Louise
; APPLICANT: Crowe, James Scott
; APPLICANT: Lewis, Alan Peter
; TITLE OF INVENTION: CDR GRAFTED HUMANISED CHIMERIC T-CELL
; TITLE OF INVENTION: ANTIBODIES
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, p.c.
; STREET: 555 Thirteenth Street, N. W.
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/244,626
; FILING DATE: July 15, 1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB92/02251
; FILING DATE: December 4, 1992
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Ernst, Barbara G.
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1808-153A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 783-6040
; TELEFAX: (202) 783-6031
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-244-626-4

Query Match 96.4%; Score 80; DB 1; Length 16;
Best Local Similarity 93.8%; Pred. No. 2.3e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNNTFLH 16
|||||
Db 1 RSSQSLVHSGNNTYLH 16

RESULT 2
US-08-244-626-2
; Sequence 2, Application US/08244626
; Patent No. 5502167
; GENERAL INFORMATION:
; APPLICANT: Waldmann, Herman
; APPLICANT: Walsh, Louis
; APPLICANT: Crowe, James Scott
; APPLICANT: Lewis, Alan Peter
; TITLE OF INVENTION: CDR GRAFTED HUMANISED CHIMERIC T-CELL
; TITLE OF INVENTION: ANTIBODIES
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/244,626
FILING DATE: July 15, 1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB92/02251
FILING DATE: December 4, 1992
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Ernst, Barbara G.
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-153A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-244-626-2

Query Match 96.4%; Score 80; DB 1; Length 110;
Best Local Similarity 93.8%; Pred. No. 1.9e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNNTFLH 16
|||||
Db 24 RSSQSLVHSGNNTYLH 39

RESULT 3
PCT-US94-14106-61
; Sequence 61, Application PC/TUS9414106
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Process for Generating Specific Antibodies
; NUMBER OF SEQUENCES: 61
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/14106
FILING DATE:
CLASSIFICATION:
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-14106-61

Query Match 96.4%; Score 80; DB 5; Length 218;
Best Local Similarity 93.8%; Pred. No. 3.9e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNNTFLH 16
|||||
Db 24 RSSQSLVHSGNNTYLH 39

RESULT 4

US-08-888-366-18
; Sequence 18, Application US/08888366
; Patent No. 5972656
; GENERAL INFORMATION:
; APPLICANT: Lopez, Osvaldo
; APPLICANT: Wylie, Dwane B.
; APPLICANT: Wagner, Fred W.
; TITLE OF INVENTION: Mercury Binding Polypeptides and Nucleotides Coding Therefore
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 90 South 7th Street, 3100 No. 5972656west Ctr.
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/888,366
FILING DATE: 03-JUL-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/187,407
FILING DATE: 27-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,542
FILING DATE: 14-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/493,299
FILING DATE: 14-MAR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/324,392
FILING DATE: 14-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Carter, Charles G.
REGISTRATION NUMBER: 35,093
REFERENCE/DOCKET NUMBER: 8648.39USCI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5300
TELEFAX: 612-332-9081
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 112 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-888-366-18

Query Match 94.0%; Score 78; DB 2; Length 112;
Best Local Similarity 87.5%; Pred. No. 3.9e-05;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

2Y 1 RSSQSLVHNSNGNTFLH 16
|||:|||||:|
2b 24 RSSQSLVHNSNGNTYLH 39
|||:|||||:|

RESULT 5

JS-08-881-037-37
; Sequence 37, Application US/08881037
; Patent No. 6080588
; GENERAL INFORMATION:
; APPLICANT: GLICK, GARY D.
; TITLE OF INVENTION: DNA BINDING ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RELEASE #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: KOSAKI, ANTOINETTE F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710

TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX:

INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

JS-08-881-037-37

Query Match 92.8%; Score 77; DB 3; Length 104;
Best Local Similarity 87.5%; Pred. No. 5.2e-05;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

2Y 1 RSSQSLVHNSNGNTFLH 16
|||:|||||:|
2b 16 RSSQSLVHNSNGNTYLH 31
|||:|||||:|

RESULT 6

JS-09-070-637-20
; Sequence 20, Application US/09070637A
; Patent No. 6132722
; GENERAL INFORMATION:
; APPLICANT: SIEMENS, NATHAN O.
; APPLICANT: YARNOLD, SUSAN
; APPLICANT: SENTER, PETER D.

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RELEASE #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02942
FILING DATE: 19910429
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9009549.8
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAM L

REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 1011.0586600
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein

PCT-US91-02942-20

; TITLE OF INVENTION: RECOMBINANT ANTIBODY-ENZYME FUSION PROTEINS

; FILE REFERENCE: 9197F-83-1

; CURRENT APPLICATION NUMBER: US/09/070,637A

; CURRENT FILING DATE: 1998-04-30

; EARLIER APPLICATION NUMBER: 60/045,888

; EARLIER FILING DATE: 1997-05-07

; NUMBER OF SEQ ID NOS: 21

; SOFTWARE: PATENTIN Ver. 2.0

; SEQ ID NO 20

; LENGTH: 638

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Amino acid

; OTHER INFORMATION: sequence for L49-sfv-bl including PelB leader

US-09-070-637-20

Query Match 92.8%; Score 77; DB 3; Length 638;
Best Local Similarity 87.5%; Pred. No. 0.00037;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;2Y 1 RSSQSLVHNSNGNTFLH 16
|||:|||||:|2b 183 RSSQSLVHNSNGNTYLH 198
|||:|||||:|

RESULT 7

PCT-US91-02942-20
; Sequence 20, Application PC/TUS9102942
; GENERAL INFORMATION:
; APPLICANT: ROTHLEIN, ROBERT
; APPLICANT: ADAIR, JOHN R
; APPLICANT: ATHWAL, DILJEET S
; TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02942
FILING DATE: 19910429
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9009549.8
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAM L

REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 1011.0586600
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein

PCT-US91-02942-20

Query Match 90.4%; Score 75; DB 5; Length 24;
Best Local Similarity 87.5%; Pred. No. 2.2e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNNTFLH 16
| | | | | | | | | | | | | | | | | |
DB 3 RSSQSLVHSGNNTFLH 18

RESULT 8

PCT-US91-02942-36
; Sequence 36, Application PC/TUS9102942
; GENERAL INFORMATION:
; APPLICANT: ROTHLEIN, ROBERT
; APPLICANT: ADAIR, JOHN R
; APPLICANT: ADHVAL, DILJEET S
; TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02942
FILING DATE: 19910429
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9009549.8
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAM L
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 1011.0586600

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US91-02942-36

Query Match 90.4%; Score 75; DB 5; Length 24;
Best Local Similarity 87.5%; Pred. No. 2.2e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNNTFLH 16
| | | | | | | | | | | | | | | | | |
DB 3 RSSQSLVHSGNNTFLH 18

RESULT 9

PCT-US91-02942-6
; Sequence 6, Application PC/TUS9102942
; GENERAL INFORMATION:
; APPLICANT: ROTHLEIN, ROBERT
; APPLICANT: ADAIR, JOHN R
; APPLICANT: ADHVAL, DILJEET S
; TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02942
FILING DATE: 19910429
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9009549.8
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAM L
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 1011.0586600

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US91-02942-6

Query Match 90.4%; Score 75; DB 5; Length 50;
Best Local Similarity 87.5%; Pred. No. 4.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNNTFLH 16
| | | | | | | | | | | | | | | | | |
DB 24 RSSQSLVHSGNNTFLH 39

RESULT 10

PCT-US91-02942-7
; Sequence 7, Application PC/TUS9102942
; GENERAL INFORMATION:
; APPLICANT: ROTHLEIN, ROBERT
; APPLICANT: ADAIR, JOHN R
; APPLICANT: ADHVAL, DILJEET S
; TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02942
FILING DATE: 19910429
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9009549.8
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAM L
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 1011.0586600
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:

JS-08-482-882-66

Db 28 RSSQSLVHSNGDTYLH 43

```

RESULT 13
US-08-487-113D-66
; Sequence 66, Application US/08487113D
; Patent No. 5837822
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Vazeux, Rosemay
; TITLE OF INVENTION: ICAM-Related Materials and Methods
; NUMBER OF SEQUENCES: 116
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,113D
; FILING DATE: 05-AUG-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/286,754
; FILING DATE: 05-AUG-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5837822and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 32744
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 116 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-487-113D-66
Query Match 90.4%; Score 75; DB 2; Length 116;
Best Local Similarity 87.5%; Pred. No. 0.00012;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNGTFLH 16
Db 28 RSSQSLVHSGNGTFLH 43

RESULT 15
US-08-483-932-66
; Sequence 66, Application US/08483932
; Patent No. 5880268
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Vazeux, Rosemay
; TITLE OF INVENTION: ICAM-Related Materials and Methods
; NUMBER OF SEQUENCES: 116
; CORRESPONDENCE ADDRESS:

```

ADDRESS: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,932
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/286,754
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: US 08/102,852
FILING DATE: 05-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/009,266
FILING DATE: 22-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/894,061
FILING DATE: 05-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/889,724
FILING DATE: 26-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/827,689
FILING DATE: 27-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: No. 580268and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 32178
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
LENGTH: 116 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-932-66

Query Match 90.4%; Score 75; DB 2; Length 116;
Best Local Similarity 87.5%; Pred. No. 0.00012;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNGTFLH 16
DB 28 RSSQSLVHSGNGDTYLH 43

Search completed: March 8, 2004, 15:30:06
Job time : 6.10145 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

CM protein - protein search, using sw model

Run on: March 8, 2004, 15:02:19 ; Search time 5.42029 Seconds
(without alignments)
161.918 Million cell updates/sec

Title: US-09-724-530-9

Perfect score: 93

Sequence: 1 RVIPNNGTSYNQKFKG 17

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/POCUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	80	86.0	301	2	US-08-656-906-25
2	80	86.0	301	3	US-09-217-847-25
3	77	82.8	120	4	US-08-875-706C-1
4	74	79.6	125	3	US-09-357-710A-20
5	74	79.6	125	4	US-09-357-707-20
6	74	79.6	128	1	US-08-202-047-21
7	74	79.6	128	3	US-08-964-690-21
8	72	77.4	17	2	US-08-116-778E-7
9	72	77.4	17	2	US-08-438-562-7
10	72	77.4	17	2	US-08-483-528B-95
11	72	77.4	17	4	US-09-393-385B-106
12	72	77.4	119	1	US-07-634-278-64
13	72	77.4	119	1	US-07-634-278-65
14	72	77.4	119	1	US-07-634-278-89
15	72	77.4	119	1	US-08-477-728-64
16	72	77.4	119	1	US-08-477-728-65
17	72	77.4	119	1	US-08-477-728-89
18	72	77.4	119	1	US-08-474-040-64
19	72	77.4	119	1	US-08-474-040-65
20	72	77.4	119	1	US-08-474-040-89
21	72	77.4	119	1	US-08-487-200-64
22	72	77.4	119	1	US-08-487-200-65
23	72	77.4	119	1	US-08-487-200-89
24	72	77.4	119	3	US-08-484-537-64
25	72	77.4	119	3	US-08-484-537-65
26	72	77.4	119	3	US-08-484-537-89
27	72	77.4	137	2	US-08-116-778E-3

Sequence 3, Appli
Sequence 93, Appl
Sequence 85, Appl
Sequence 85, Appl
Sequence 85, Appl
Sequence 85, Appl
Sequence 85, Appl
Sequence 85, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 91, Appl
Sequence 36, Appl
Sequence 36, Appl
Sequence 100, Appl
Sequence 112, Appl
Sequence 144, Appl
Sequence 144, Appl
Sequence 1, Appl
Sequence 41, Appl

ALIGNMENTS

RESULT 1
US-08-656-906-25
; Sequence 25, Application US/08656906
; Patent No. 5972901
; GENERAL INFORMATION:
; APPLICANT: Perkol Jr., Thomas W.
; APPLICANT: Davis, Pamela B.
; APPLICANT: Ziad, Assem-Galal
; TITLE OF INVENTION: Serpin Enzyme Complex Receptor -
; TITLE OF INVENTION: Mediated Gene Transfer
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/656,906
; FILING DATE: 03-JUN-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/
; FILING DATE: 03-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 95/25809
; FILING DATE: 23-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/216,534
; FILING DATE: 23-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: CASE-02280
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 301 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-656-906-25

Query Match 86.0%; Score 80; DB 2; Length 301;
Best Local Similarity 100.0%; Pred. No. 4e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
| | | | | | | | | | | | | | | | | |
Db 179 PNNGGTSYNQKFKG 192

RESULT 2

US-09-217-847-25
; Sequence 25, Application US/09217847
; Patent No. 6200801
; GENERAL INFORMATION:
; APPLICANT: Perkol Jr., Thomas W.
; APPLICANT: David, Pamela B.
; APPLICANT: Ziad, Assen-Galal
; TITLE OF INVENTION: Serpin Enzyme Complex Receptor -
; TITLE OF INVENTION: Mediated Gene Transfer
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/217,847
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/656,906
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 95/25809
; FILING DATE: 23-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/216,534
; FILING DATE: 23-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: CASE-02280
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 301 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-217-847-25
Query Match 86.0%; Score 80; DB 3; Length 301;
Best Local Similarity 100.0%; Pred. No. 4e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
| | | | | | | | | | | | | | | | | |
Db 179 PNNGGTSYNQKFKG 192

RESULT 3

US-08-875-706C-1
; Sequence 1, Application US/08875706C

; Patent No. 6433148
; GENERAL INFORMATION:
; APPLICANT: MACIAS ABRAHAN, A. E.
; APPLICANT: P REZ RODRIGUEZ, R.
; APPLICANT: RODRIGUEZ OBAYA, T.
; APPLICANT: BOMBINO LOPEZ, G.
; APPLICANT: RAMOS ZAMORA, M.
; APPLICANT: PEÑA MARICHAL, O.
; TITLE OF INVENTION: Monoclonal anti-idiotypic antibodies
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lackenbach Siegel Marzullo Aronson & Greenspan, P.C.
; STREET: One Chase Road
; CITY: Scarsdale
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10583
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk 3.5" (1.4 MB).
; COMPUTER: Compatible PC IBM (80486, 8 M Ram).
; OPERATING SYSTEM: ASCII II DOS
; SOFTWARE: Word Perfect 5.0 for Windows 95.
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,706C
; FILING DATE: 17-July-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/CU96/00003
; FILING DATE: 18-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Henry A. Marzullo, Jr.
; REGISTRATION NUMBER: 20,910
; REFERENCE/DOCKET NUMBER: P-11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 723-4300
; TELEFAX: (914) 723-4301
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 120 Amino acid residues
; TYPE: Amino acid
; STRANDEDNESS: Unknown
; TOPOLOGY: Unknown
; MOLECULE TYPE: Protein
; HYPOTHETICAL: No
; ANTI-SENSE: No
; FRAGMENT TYPE: -N Terminal fragment.
; ORIGINAL SOURCE:
; ORGANISM: Mice Balb/c
; TISSUE TYPE: Murine hybridoma
; IMMEDIATE SOURCE:
; CLONE: B7
; FEATURE:
; IDENTIFICATION METHOD: Experimental.
; OTHER INFORMATION: - Sequence corresponding to the variable
; Patent No. 6433148
; OTHER INFORMATION: region of its heavy chain of the humanized variant obtained
; OTHER INFORMATION: from the monoclonal antibody B7.
US-08-875-706C-1
Query Match 82.8%; Score 77; DB 4; Length 120;
Best Local Similarity 87.5%; Pred. No. 4.9e-05;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGGTSYNQKFKG 17
| | | | | | | | | | | | | | | | | |
Db 51 VSPNNGGASYNQKFKG 66

RESULT 4

US-09-357-710A-20
; Sequence 20, Application US/09357710A
; Patent No. 6290956

; GENERAL INFORMATION:
 ; APPLICANT: Bander, Neil H.
 ; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: Lois M. Kwasigroch: B2L 242/025
 ; CURRENT APPLICATION NUMBER: US/09/357,710A
 ; CURRENT FILING DATE: 1999-07-20
 ; PRIOR APPLICATION NUMBER: US 08/838,682
 ; PRIOR FILING DATE: 1997-04-09
 ; PRIOR APPLICATION NUMBER: US 60/016,976
 ; PRIOR FILING DATE: 1996-08-06
 ; PRIOR APPLICATION NUMBER: US 60/022,125
 ; PRIOR FILING DATE: 1998-07-18
 ; NUMBER OF SEQ ID NOS: 21
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 20
 ; LENGTH: 125
 ; TYPE: PRT
 ; ORGANISM: Mus sp.
 JS-09-357-710A-20

Query Match 79.6%; Score 74; DB 3; Length 125;
 Best Local Similarity 92.9%; Pred. No. 0.00014;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

2y 4 PNNGGTSYNQKFG 17
 54 PNNGGTSYNQKFG 67

RESULT 5
 JS-09-357-707-20
 ; Sequence 20, Application US/09357707
 ; Patent No. 6849163
 ; GENERAL INFORMATION:
 ; APPLICANT: Bander, Neil H.
 ; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
 ; FILE REFERENCE: Lois M. Kwasigroch: B2L 242/078
 ; CURRENT APPLICATION NUMBER: US/09/357,707
 ; CURRENT FILING DATE: 1999-07-20
 ; PRIOR APPLICATION NUMBER: US 08/895,914
 ; PRIOR FILING DATE: 1997-07-17
 ; PRIOR APPLICATION NUMBER: US 08/838,682
 ; PRIOR FILING DATE: 1997-04-09
 ; PRIOR APPLICATION NUMBER: US 60/016,976
 ; PRIOR FILING DATE: 1996-05-06
 ; PRIOR APPLICATION NUMBER: US 60/022,125
 ; PRIOR FILING DATE: 1996-07-18
 ; NUMBER OF SEQ ID NOS: 21
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 20
 ; LENGTH: 125
 ; TYPE: PRT
 ; ORGANISM: Mus sp.
 JS-09-357-707-20

Query Match 79.6%; Score 74; DB 4; Length 125;
 Best Local Similarity 92.9%; Pred. No. 0.00014;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

2y 4 PNNGGTSYNQKFG 17
 54 PNNGGTSYNQKFG 67

RESULT 6
 US-08-202-047-21
 ; Sequence 21, Application US/08202047
 ; Patent No. 5800815
 ; GENERAL INFORMATION:
 ; APPLICANT: CHESNUT, Robert W.
 ; APPLICANT: POLLEY, Margaret J.
 ; APPLICANT: PAULSON, James C.
 ; APPLICANT: JONES, S. Tarran

; APPLICANT: SALDANHA, Jose W.
 ; APPLICANT: BENDIG, Mary M.
 ; TITLE OF INVENTION: Antibodies to P-Selectin and Their Uses
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend Kourie and Crew
 ; STREET: One Market Plaza, Steuart Tower, Suite 2000
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94105
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/202,047
 ; FILING DATE: 25-FEB-1994
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Smith, William M.
 ; REGISTRATION NUMBER: 30,223
 ; REFERENCE/DOCKET NUMBER: 14137-77
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-326-2400
 ; TELEFAX: 415-326-2422
 ; INFORMATION FOR SEQ ID NO: 21:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 128 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; FEATURE:
 ; NAME/KEY: Protein
 ; LOCATION: 1..128
 ; OTHER INFORMATION: /label= MOUSE_IIA
 US-08-202-047-21

Query Match 79.8%; Score 74; DB 1; Length 128;
 Best Local Similarity 92.9%; Pred. No. 0.00015;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 PNNGGTSYNQKFG 17
 53 PNNGGTSYNQKFG 66

RESULT 7
 US-08-964-690-21
 ; Sequence 21, Application US/08964690
 ; Patent No. 6033667
 ; GENERAL INFORMATION:
 ; APPLICANT: CHESNUT, Robert W.
 ; APPLICANT: POLLEY, Margaret J.
 ; APPLICANT: PAULSON, James C.
 ; APPLICANT: JONES, S. Tarran
 ; APPLICANT: SALDANHA, Jose W.
 ; APPLICANT: BENDIG, Mary M.
 ; TITLE OF INVENTION: Antibodies to P-Selectin and Their Uses
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend Kourie and Crew
 ; STREET: One Market Plaza, Steuart Tower, Suite 2000
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94105
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,690
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/202,047
FILING DATE: 25-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 14137-77
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..128
OTHER INFORMATION: /label= MOUSE_IIA
US-08-964-690-21

Query Match 79.6%; Score 74; DB 3; Length 128;
Best Local Similarity 92.9%; Pred. No. 0.00015;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNNGTSTYNQKFG 17
DB 53 PNNNGTSTYNQKFG 66

RESULT 8
US-08-116-778E-7
Sequence 7, Application US/08116778E
Patent No. 5830470
GENERAL INFORMATION:
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: KOIKE, MASAMICHI
APPLICANT: SHITARA, KENYA
APPLICANT: HANAI, NOBUO
APPLICANT: KUWANA, YOSHIHISA
APPLICANT: HASEGAWA, MAMORU
TITLE OF INVENTION: HUMANIZED ANTIBODIES
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHUYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/116,778
FILING DATE: 07-SEP-93
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/116,778
FILING DATE: 07-SEP-93
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 249-76
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-438-562-7

Query Match 77.4%; Score 72; DB 2; Length 17;
Best Local Similarity 80.0%; Pred. No. 3.6e-05;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGGTSTYNQKFK 16
DB 2 IYPNNGGTSTYNQKFK 16

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-116-778E-7

Query Match 77.4%; Score 72; DB 2; Length 17;
Best Local Similarity 80.0%; Pred. No. 3.6e-05;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGGTSTYNQKFK 16
DB 2 IYPNNGGTSTYNQKFK 16

RESULT 9
US-08-438-562-7
Sequence 7, Application US/08438562
Patent No. 5874255
GENERAL INFORMATION:
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: KOIKE, MASAMICHI
APPLICANT: SHITARA, KENYA
APPLICANT: HANAI, NOBUO
APPLICANT: KUWANA, YOSHIHISA
APPLICANT: HASEGAWA, MAMORU
TITLE OF INVENTION: HUMANIZED ANTIBODIES
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHUYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/438,562
FILING DATE: 10-MAY-95
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/116,778
FILING DATE: 07-SEP-93
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 249-76
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-438-562-7

Query Match 77.4%; Score 72; DB 2; Length 17;
Best Local Similarity 80.0%; Pred. No. 3.6e-05;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGGTSTYNQKFK 16
DB 2 IYPNNGGTSTYNQKFK 16

```

Query Match      77.4%; Score 72; DB 2; Length 17;
Best Local Similarity 80.0%; Pred. NO. 3.6e-05;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      2 VIPNNGGTSYNQRFK 16
      : ||||| |||||
Db      2 IYPNNGGTGYNQRFK 16

RESULT 11
US-09-393-385B-106
; Sequence 106, Application US/09393385B
; Patent No. 6423511
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KIWANA, YOSHIIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

```


Patent No. 5585089
GENERAL INFORMATION:
APPLICANT: QUEEN, Cary L.
APPLICANT: SCHNEIDER, William P.
APPLICANT: SELICK, Harold E.
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: Palo Alto
STATE: California
COUNTRY: US
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,728
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/634,278
FILING DATE: 19-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/310,252
FILING DATE: 13-FEB-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-002600
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-477-728-64

Query Match 77.4%; Score 72; DB 1; Length 119;
Best Local Similarity 92.9%; Pred. No. 0.00028;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 PNYGGTSYNQKFKG 17
DB 53 PNYGGTSYNQKFKG 66

Search completed: March 8, 2004, 15:30:08
Job time : 6.42029 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

DM protein - protein search, using sw model

Run on: March 8, 2004, 15:02:19 ; Search time 1.27536 Seconds
(without alignments)
161.918 Million cell updates/sec

Title: US-09-724-530-10

Perfect score: 22

Sequence: 1 EGIY 4

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PTCT COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match %	Length	DB ID	Description
1	22	100.0	4	4	US-09-727-532A-18
2	22	100.0	4	4	US-09-569-193A-18
3	22	100.0	6	4	US-08-877-605-95
4	22	100.0	6	4	US-08-877-605-139
5	22	100.0	11	4	US-08-918-148-20
6	22	100.0	11	4	US-09-727-532A-17
7	22	100.0	11	4	US-09-569-193A-17
8	22	100.0	23	2	US-08-251-472-5
9	22	100.0	23	3	US-09-248-082-5
10	22	100.0	49	3	US-08-926-842B-49
11	22	100.0	53	2	US-08-469-537A-7
12	22	100.0	53	2	US-08-469-537A-20
13	22	100.0	56	2	US-08-592-406-22
14	22	100.0	65	2	US-08-633-879C-16
15	22	100.0	67	4	US-09-621-976-7240
16	22	100.0	68	4	US-09-107-532A-4392
17	22	100.0	70	4	US-09-489-039A-14086
18	22	100.0	74	4	US-09-543-681A-6319
19	22	100.0	74	4	US-09-489-039A-10802
20	22	100.0	75	3	US-08-928-383B-13
21	22	100.0	77	4	US-09-107-532A-6682
22	22	100.0	88	4	US-09-621-976-6034
23	22	100.0	96	4	US-09-732-210-1618
24	22	100.0	102	4	US-09-134-000C-4374
25	22	100.0	104	1	US-08-052-681-2
26	22	100.0	104	4	US-09-328-352-5254
27	22	100.0	108	2	US-08-652-816A-2

28	22	100.0	108	2	US-08-652-816A-17	Sequence 17, Appl
29	22	100.0	108	2	US-08-652-816A-18	Sequence 18, Appl
30	22	100.0	108	2	US-08-652-816A-53	Sequence 53, Appl
31	22	100.0	108	2	US-08-330-272-4	Sequence 4, Appl
32	22	100.0	108	5	PCT-US95-13683-4	Sequence 4, Appl
33	22	100.0	114	4	US-09-328-352-5478	Sequence 5478, Ap
34	22	100.0	115	4	US-09-543-681A-7012	Sequence 7012, Ap
35	22	100.0	122	1	US-07-634-278-48	Sequence 48, Appl
36	22	100.0	122	1	US-07-634-278-49	Sequence 49, Appl
37	22	100.0	122	1	US-08-477-728-48	Sequence 48, Appl
38	22	100.0	122	1	US-08-477-728-49	Sequence 49, Appl
39	22	100.0	122	1	US-08-474-040-48	Sequence 48, Appl
40	22	100.0	122	1	US-08-474-040-49	Sequence 49, Appl
41	22	100.0	122	1	US-08-487-200-48	Sequence 48, Appl
42	22	100.0	122	1	US-08-487-200-49	Sequence 49, Appl
43	22	100.0	122	3	US-08-484-537-48	Sequence 48, Appl
44	22	100.0	122	3	US-08-484-537-49	Sequence 49, Appl
45	22	100.0	124	3	US-08-751-359-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1

US-09-727-532A-18
; Sequence 18, Application US/09727532A
; Patent No. 8438646
; GENERAL INFORMATION:
; APPLICANT: Nikiforov, Theo T.
; TITLE OF INVENTION: Kinase Assays Using Polycations
; FILE REFERENCE: 100/07930
; CURRENT APPLICATION NUMBER: US/09/727,532A
; CURRENT FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: US 09/316,447
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: US 60/156,366
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/139,562
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 18
; LENGTH: 4
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Protease product
US-09-727-532A-18

Query Match 100.0%; Score 22; DB 4; Length 4;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EGIY 4
Db 1 EGIY 4

RESULT 2

US-09-569-193A-18
; Sequence 18, Application US/09569193A
; Patent No. 8472141
; GENERAL INFORMATION:
; APPLICANT: Nikiforov, Theo T.
; TITLE OF INVENTION: Kinase Assays Using Polycations
; FILE REFERENCE: 100/07930
; CURRENT APPLICATION NUMBER: US/09/569,193A
; CURRENT FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 09/316,447
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: US 60/156,366
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/139,562

US-08-877-605-139

Query Match 100.0%; Score 22; DB 4; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
Db 2 EGIY 5

RESULT 5

US-08-918-148-20

Sequence 20, Application US/08918148A
Patent No. 6342220
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08/918,148A
CURRENT FILING DATE: 1997-08-25
NUMBER OF SEQ ID NOS: 79
SEQ ID NO 20
LENGTH: 11
TYPE: PRT
ORGANISM: artificial
FEATURE:
NAME/KEY: SE5scFv, 10D10scFv, 12D5scFv VL CDR1
LOCATION: 1-11
OTHER INFORMATION: also 12B5scFv VL CDR1
US-08-918-148-20

Query Match 100.0%; Score 22; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
Db 4 EGIY 7

RESULT 6

US-09-727-532A-17

Sequence 17, Application US/09727532A
Patent No. 6436646
GENERAL INFORMATION:
APPLICANT: Nikiforov, Theo T.
TITLE OF INVENTION: Kinase Assays Using Polycations
FILE REFERENCE: 100/07930
CURRENT APPLICATION NUMBER: US/09/727,532A
CURRENT FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: US 09/316,447
PRIOR FILING DATE: 1999-05-21
PRIOR APPLICATION NUMBER: US 60/156,366
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/139,562
PRIOR FILING DATE: 1999-06-16
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patent in version 3.1
SEQ ID NO 17
LENGTH: 11
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Protease substrate
NAME/KEY: misc.feature
LOCATION: (11)..(11)
OTHER INFORMATION: lysinamide
US-09-727-532A-17

US-09-724-530-10.ra1

PRIOR FILING DATE: 1999-06-16
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patent in version 3.1
SEQ ID NO 18
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Protease product
US-09-569-193A-18

Query Match 100.0%; Score 22; DB 4; Length 4;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
Db 1 EGIY 4

RESULT 3

US-08-877-605-95

Sequence 95, Application US/08877605
Patent No. 6582965
GENERAL INFORMATION:
APPLICANT: Robert Townsend
APPLICANT: Raj Parekh
APPLICANT: Sally Prime
APPLICANT: Nick Webb
TITLE OF INVENTION: A METHOD FOR DE NOVO PEPTIDE SEQUENCE DETERMINATION
FILE REFERENCE: 9195-004
CURRENT APPLICATION NUMBER: US/08/877,605
CURRENT FILING DATE: 1997-06-18
NUMBER OF SEQ ID NOS: 353
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 95
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Peptide X Library
US-08-877-605-95

Query Match 100.0%; Score 22; DB 4; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
Db 1 EGIY 4

RESULT 4

US-08-877-605-139

Sequence 139, Application US/08877605
Patent No. 6582965
GENERAL INFORMATION:
APPLICANT: Robert Townsend
APPLICANT: Raj Parekh
APPLICANT: Sally Prime
APPLICANT: Nick Webb
TITLE OF INVENTION: A METHOD FOR DE NOVO PEPTIDE SEQUENCE DETERMINATION
FILE REFERENCE: 9195-004
CURRENT APPLICATION NUMBER: US/08/877,605
CURRENT FILING DATE: 1997-06-18
NUMBER OF SEQ ID NOS: 353
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 139
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Peptide X Library
US-08-877-605-139

Query Match 100.0%; Score 22; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
DB 1 EGIY 4

RESULT 7

US-09-569-193A-17
; Sequence 17, Application US/09569193A
; Patent No. 6472141
; GENERAL INFORMATION:
; APPLICANT: Nikiforov, Theo T.
; TITLE OF INVENTION: Kinase Assays Using Polycations
; FILE REFERENCE: 100/07930
; CURRENT APPLICATION NUMBER: US/09/569,193A
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 09/316,447
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: US 60/156,366
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/139,562
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Protase substrate
; NAME/KEY: misc feature
; LOCATION: (11)..(11)
; OTHER INFORMATION: lysinamide
US-09-569-193A-17

Query Match 100.0%; Score 22; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
DB 1 EGIY 4

RESULT 8

US-08-251-472-5
; Sequence 5, Application US/08251472
; Patent No. 5871746
; GENERAL INFORMATION:
; APPLICANT: BOUTILLON, CHRISTOPHE; MARTINON,
; APPLICANT: FREDERIC; GRAS-MASSE, HELENE;
; APPLICANT: GOMARD, ELISABETH; SERGHERAERT,
; APPLICANT: CHRISTIAN; MAGNE, REMY; TARTAR,
; APPLICANT: ANDRE; LEVY, JEAN-PAUL
; TITLE OF INVENTION: CYTOTOXIC T LYMPHOCYTE
; TITLE OF INVENTION: -INDUCING LIPOPEPTIDES AND USE AS VACCINES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/251,472
; FILING DATE: 31-MAY-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: MUSERLIAN, CHARLES A
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 102.1511
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: HIV-1
; FEATURE:
; LOCATION: NEF 125-147
US-08-251-472-5

Query Match 100.0%; Score 22; DB 2; Length 23;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
DB 6 EGIY 9

RESULT 9

US-09-248-082-5
; Sequence 5, Application US/09248082
; Patent No. 6015564
; GENERAL INFORMATION:
; APPLICANT: BOUTILLON, CHRISTOPHE; MARTINON,
; APPLICANT: FREDERIC; GRAS-MASSE, HELENE;
; APPLICANT: GOMARD, ELISABETH; SERGHERAERT,
; APPLICANT: CHRISTIAN; MAGNE, REMY; TARTAR,
; APPLICANT: ANDRE; LEVY, JEAN-PAUL
; TITLE OF INVENTION: CYTOTOXIC T LYMPHOCYTE
; TITLE OF INVENTION: -INDUCING LIPOPEPTIDES AND USE AS VACCINES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/248,082
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/251,472
; FILING DATE: 31-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: MUSERLIAN, CHARLES A
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 102.1511
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 5;
SEQUENCE CHARACTERISTICS:
LENGTH: 23
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: HIV-1
FEATURE:
LOCATION: NEF 125-147
US-09-248-082-5

Query Match 100.0%; Score 22; DB 3; Length 23;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
DB 6 EGIY 9

RESULT 10
US-08-926-842B-49
Sequence 49, Application US/08926842B
Patent No. 6030807
GENERAL INFORMATION:
APPLICANT: Sa-No. 6030807ueira, Isabel
APPLICANT: de Lencastre, Herminia
TITLE OF INVENTION: HIGHLY REGULABLE PROMOTER FOR HETEROLOGOUS GENE
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/926,842B
FILING DATE: 10-SEP-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-089 N
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 487-5800
TELEFAX: 201 343-1684
TELEX: 133521

INFORMATION FOR SEQ ID NO: 49;
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-08-926-842B-49

Query Match 100.0%; Score 22; DB 3; Length 49;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
DB 6 EGIY 9

Db 35 EGIY 38

RESULT 11
US-08-469-537A-7
Sequence 7, Application US/08469537A
Patent No. 5843749
GENERAL INFORMATION:
APPLICANT: Maisonnier, et al.
TITLE OF INVENTION: EHK AND ROR TYROSINE
TITLE OF INVENTION: KINASES
NUMBER OF SEQUENCES: 107
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill River Road
CITY: Tarrytown
STATE: NY
COUNTRY: U.S.A.
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,537A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/406,247
FILING DATE: 17-MAR-1995
APPLICATION NUMBER: USSN 08/144,992
FILING DATE: 28-OCT-1993
APPLICATION NUMBER: USSN 07/736,559
FILING DATE: 26-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kempster, Ph.D., Gail M
REGISTRATION NUMBER: 32,143
REFERENCE/DOCKET NUMBER: REG 070C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 7;
SEQUENCE CHARACTERISTICS:
LENGTH: 53 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-469-537A-7

Query Match 100.0%; Score 22; DB 2; Length 53;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
DB 46 EGIY 49

RESULT 12
US-08-469-537A-20
Sequence 20, Application US/08469537A
Patent No. 5843749
GENERAL INFORMATION:
APPLICANT: Maisonnier, et al.
TITLE OF INVENTION: EHK AND ROR TYROSINE
TITLE OF INVENTION: KINASES
NUMBER OF SEQUENCES: 107
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill River Road

CITY: Tarrytown
STATE: NY
COUNTRY: U.S.A.
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,537A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USN 08/406,247
FILING DATE: 17-MAR-1995
APPLICATION NUMBER: USN 08/144,992
FILING DATE: 28-OCT-1993
APPLICATION NUMBER: USN 07/736,559
FILING DATE: 26-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kempler, Ph.D., Gail M
REGISTRATION NUMBER: 32,143
REFERENCE/DOCKET NUMBER: REG 070C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 53 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-537A-20

Query Match 100.0%; Score 22; DB 2; Length 53;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
Db 46 EGIY 49

RESULT 13
US-08-592-406-22
Sequence 22, Application US/08592406
Patent No. 5821059
GENERAL INFORMATION:
APPLICANT: MINION, F. Chris
APPLICANT: KNUDTSON, Kevin L.
TITLE OF INVENTION: MYOPLASMA EXPRESSION SYSTEM
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 300 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,406
FILING DATE: 06-FEB-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US93/07407
FILING DATE: 06-AUG-1993

ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 76645/132
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 56 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-532-406-22

Query Match 100.0%; Score 22; DB 2; Length 56;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
Db 14 EGIY 17

RESULT 14
US-08-633-879C-16
Sequence 16, Application US/08633879C
Patent No. 5928922
GENERAL INFORMATION:
APPLICANT: Kivirikko, Kari I.
APPLICANT: Pihlajaniemi, Taina
APPLICANT: Helaakoski, Tarja I.
APPLICANT: Annunen, Pia P.
APPLICANT: Nissi, Ritva K.
APPLICANT: No. 5928922elainen, Minna K.
TITLE OF INVENTION: 2 SUBUNIT OF PROLYL-4-HYDROXYLASE
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING SUCH SUBUNIT AND
METHODS FOR PRODUCING THE SAME
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds, LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/633,879C
FILING DATE: 10-APR-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Abrams, Samuel B
REGISTRATION NUMBER: 30,605
REFERENCE/DOCKET NUMBER: 8389-0041-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

```
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-633-879C-16

Query Match      100.0%; Score 22; DB 2; Length 65;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EGIY 4
      ||||
Db      38 EGIY 41

RESULT 15
US-09-621-976-7240
; Sequence 7240, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 7240
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-7240

Query Match      100.0%; Score 22; DB 4; Length 67;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EGIY 4
      ||||
Db      41 EGIY 44
```

Search completed: March 8, 2004, 15:30:08
Job time : 1.27536 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

3M protein - protein search, using sw model

Run on: March 8, 2004, 15:02:19 ; Search time 1.91304 Seconds
(without alignments)
161.918 Million cell updates/sec

Title: US-09-724-530-8

Perfect score: 37

Sequence: 1 TGYVH 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

1: /cgn2_6/ptodata/2/iaa/5A COMB.pcp.*

2: /cgn2_6/ptodata/2/iaa/5B COMB.pcp.*

3: /cgn2_6/ptodata/2/iaa/6A COMB.pcp.*

4: /cgn2_6/ptodata/2/iaa/6B COMB.pcp.*

5: /cgn2_6/ptodata/2/iaa/PTUS COMB.pcp.*

6: /cgn2_6/ptodata/2/iaa/backfile1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	DB ID	Description
1	34	91.9	114	2	US-08-888-366-8
2	34	91.9	117	3	US-08-545-809A-90
3	34	91.9	123	1	US-08-477-877B-94
4	34	91.9	123	2	US-08-472-281A-94
5	34	91.9	123	2	US-08-477-899B-94
6	34	91.9	124	4	US-09-257-069-2
7	34	91.9	124	1	US-08-230-843-4
8	34	91.9	243	1	US-08-636-936-4
9	32	86.5	288	4	US-09-423-439-38
10	32	86.5	445	1	US-08-353-400-33
11	32	86.5	464	1	US-08-353-400-36
12	32	86.5	585	3	US-09-370-807-4
13	32	86.5	585	4	US-09-921-259-4
14	32	86.5	611	3	US-09-370-807-2
15	32	86.5	611	4	US-09-921-259-2
16	32	86.5	673	4	US-09-423-439-32
17	31	83.8	116	2	US-08-561-521-41
18	31	83.8	116	5	PCT-US95-01219-41
19	31	83.8	135	1	US-08-137-117D-27
20	31	83.8	135	1	US-08-137-117D-100
21	31	83.8	135	1	US-08-137-117D-102
22	31	83.8	135	1	US-08-137-117D-112
23	31	83.8	135	2	US-08-436-717-27
24	31	83.8	135	2	US-08-436-717-100
25	31	83.8	135	2	US-08-436-717-102
26	31	83.8	135	2	US-08-436-717-112
27	31	83.8	308	4	US-09-252-991A-24129
28	31	83.8	308	4	US-09-252-991A-24129

28 31 83.8 521 4 US-09-489-039A-13392 Sequence 13392, A
29 30 81.1 94 4 US-09-252-991A-31551 Sequence 31551, A
30 30 81.1 275 4 US-08-645-193B-19 Sequence 19, Appl
31 30 81.1 421 3 US-09-239-303-2 Sequence 2, Appl
32 30 81.1 490 4 US-09-543-681A-7938 Sequence 7938, Ap
33 30 81.1 508 4 US-09-489-039A-7887 Sequence 7887, Ap
34 30 81.1 511 4 US-09-328-352-6176 Sequence 6176, Ap
35 30 81.1 557 2 US-08-793-229-33 Sequence 33, Appl
36 30 81.1 557 3 US-08-285-957-33 Sequence 33, Appl
37 30 81.1 557 4 US-08-962-281-4 Sequence 4, Appl
38 30 81.1 846 1 US-07-731-157A-5 Sequence 5, Appl
39 30 81.1 846 2 US-08-541-780-5 Sequence 5, Appl
40 29 78.4 5 4 US-09-424-712-20 Sequence 20, Appl
41 29 78.4 69 4 US-09-308-003-15 Sequence 15, Appl
42 29 78.4 119 1 US-08-300-386A-65 Sequence 65, Appl
43 29 78.4 119 3 US-08-931-645-65 Sequence 65, Appl
44 29 78.4 119 5 PCT-US95-11235-65 Sequence 65, Appl
45 29 78.4 130 4 US-09-621-976-4013 Sequence 4013, Ap

ALIGNMENTS

RESULT 1
US-08-888-366-8
; Sequence 8, Application US/08888366
; Patent No. 5972656

; GENERAL INFORMATION:
; APPLICANT: Lopez, Osvaldo
; APPLICANT: Wyllie, Dwane E.
; TITLE OF INVENTION: Mercury Binding Polypeptides and Nucleotides Coding Therefore

; NUMBER OF SEQUENCES: 39

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merchant & Gould

; STREET: 90 South 7th Street, 3100 No. 5972656west Ctr.

; CITY: Minneapolis

; STATE: MN

; COUNTRY: USA

; ZIP: 55402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/888,366

; FILING DATE: 03-JUL-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/187,407

; FILING DATE: 27-JAN-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/990,542

; FILING DATE: 14-DEC-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/493,299

; FILING DATE: 14-MAR-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/324,392

; FILING DATE: 14-MAR-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Carter, Charles G.

; REGISTRATION NUMBER: 35,093

; REFERENCE/DOCKET NUMBER: 8648.39USCI

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 612-332-5300

; TELEFAX: 612-332-9081

; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 114 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-888-366-8
Query Match 91.9%; Score 34; DB 2; Length 114;
Best Local Similarity 83.3%; Pred. No. 17;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
DB 24 TGYVMH 29
RESULT 2
US-08-545-809A-90
; Sequence 90, Application US/08545809A
; Patent No. 6096878
; GENERAL INFORMATION:
; APPLICANT: Honjo, Tasuku
; APPLICANT: Matsuda, Fumihiko
; TITLE OF INVENTION: HUMAN IMMUNOGLOBULIN VH GENE
; TITLE OF INVENTION: SEGMENTS AND DNA FRAGMENTS CONTAINING THE SAME
; NUMBER OF SEQUENCES: 145
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: Fast-SEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/545,809A
; FILING DATE: 27-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/00603
; FILING DATE: 10-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Freeman, John W.
; REGISTRATION NUMBER: 29,066
; REFERENCE/DOCKET NUMBER: 06501/004001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 90:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-545-809A-90
Query Match 91.9%; Score 34; DB 3; Length 117;
Best Local Similarity 83.3%; Pred. No. 17;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
DB 49 TGYVMH 54
RESULT 3
US-08-477-877B-94
; Sequence 94, Application US/08477877B
; Patent No. 5730979
; GENERAL INFORMATION:
; APPLICANT: Bazin, Herv
; APPLICANT: Latinne, Dominique
; TITLE OF INVENTION: LO-CD2a Antibody and Uses Thereof for Inhibiting T-Cell Activation
; NUMBER OF SEQUENCES: 96
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan,
; ADDRESSEE: Cecchi, Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,877B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/407,009
; FILING DATE: 29-MAR-1995
; APPLICATION NUMBER: 08/119,032
; FILING DATE: 09-SEP-1993
; APPLICATION NUMBER: 08/027,008
; FILING DATE: 05-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Olstein, Elliot M.
; REGISTRATION NUMBER: 24,025
; REFERENCE/DOCKET NUMBER: 61750-146
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 94:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 123 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: polypeptide
; FEATURE:
; NAME/KEY: Human Amu 5-3 heavy chain variable region.
US-08-477-877B-94
Query Match 91.9%; Score 34; DB 1; Length 123;
Best Local Similarity 83.3%; Pred. No. 18;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
DB 30 TGYVMH 35
RESULT 4
US-08-472-281A-94
; Sequence 94, Application US/08472281A
; Patent No. 5817311
; GENERAL INFORMATION:
; APPLICANT: Bazin, Herv
; APPLICANT: Latinne, Dominique
; TITLE OF INVENTION: LO-CD2a Antibody and Uses Thereof for Inhibiting T-Cell Activation
; NUMBER OF SEQUENCES: 96
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan,
; ADDRESSEE: Cecchi, Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS

```
/
/ SOFTWARE: WordPerfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/472,281A
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/407,009
/ FILING DATE: 29-MAR-1995
/ APPLICATION NUMBER: 08/119,032
/ FILING DATE: 09-SEP-1993
/ APPLICATION NUMBER: 08/027,008
/ FILING DATE: 05-MAR-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Olstein, Elliot M.
/ REGISTRATION NUMBER: 24,025
/ REFERENCE/DOCKET NUMBER: 61750-142
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 94:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 123 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: polypeptide
/ FEATURE:
/ NAME/KEY: Human Amu 5-3 heavy chain variable region.
/
/ US-08-472-281A-94
/
/ Query Match 91.9%; Score 34; DB 2; Length 123;
/ Best Local Similarity 83.3%; Pred. No. 18;
/ Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TGYIYH 6
/ DB 30 TGYIYH 35
/
/ RESULT 5
/ US-08-477-989B-94
/ Sequence 94, Application US/08477989B
/ Patent No. 5951983
/ GENERAL INFORMATION:
/ APPLICANT: Bazin, Herv
/ APPLICANT: Latrine, Dominique
/ APPLICANT: Kaplan, Ruth
/ APPLICANT: Kieber-Emmons, Thomas
/ APPLICANT: Postema, Christina E.
/ APPLICANT: White-Scharf, Mary
/ TITLE OF INVENTION: LO-CD2a Antibody and Uses
/ TITLE OF INVENTION: Thereof for Inhibiting
/ TITLE OF INVENTION: T-Cell Activation and
/ TITLE OF INVENTION: Proliferation
/ NUMBER OF SEQUENCES: 96
/ CORRESPONDENCE ADDRESS:
/ ADDRESSES: Carelia, Byrne, Bain, Gilfillan,
/ ADDRESSES: Cecchi, Stewart & Olstein
/ STREET: 6 Becker Farm Road
/ CITY: Roseland
/ STATE: New Jersey
/ COUNTRY: U.S.A.
/ ZIP: 07068
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch diskette
/ COMPUTER: IBM PS/2
/ OPERATING SYSTEM: MS-DOS
/ SOFTWARE: WordPerfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/477,989B
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
```

```
/
/ APPLICATION NUMBER: 08/407,009
/ FILING DATE: 29-MAR-1995
/ APPLICATION NUMBER: 08/119,032
/ FILING DATE: 09-SEP-1993
/ APPLICATION NUMBER: 08/027,008
/ FILING DATE: 05-MAR-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Olstein, Elliot M.
/ REGISTRATION NUMBER: 24,025
/ REFERENCE/DOCKET NUMBER: 61750-147
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 94:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 123 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: polypeptide
/ FEATURE:
/ NAME/KEY: Human Amu 5-3 heavy chain variable
/ NAME/KEY: region.
/
/ US-08-477-989B-94
/
/ Query Match 91.9%; Score 34; DB 2; Length 123;
/ Best Local Similarity 83.3%; Pred. No. 18;
/ Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TGYIYH 6
/ DB 30 TGYIYH 35
/
/ RESULT 6
/ US-09-257-069-2
/ Sequence 2, Application US/09257069
/ Patent No. 6348580
/ GENERAL INFORMATION:
/ APPLICANT: Medical & Biological Laboratories Co., Ltd.
/ TITLE OF INVENTION: Monoclonal Antibody Specific for
/ TITLE OF INVENTION: Phosphatidylinositol-3,4,5-Triphosphate
/ FILE REFERENCE: M3-008-US
/ CURRENT APPLICATION NUMBER: US/09/257,069
/ CURRENT FILING DATE: 1999-02-24
/ PRIOR APPLICATION NUMBER: JP 1998-252921
/ PRIOR FILING DATE: 1998-09-07
/ NUMBER OF SEQ ID NOS: 10
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 124
/ TYPE: PRT
/ ORGANISM: Mus musculus
/
/ US-09-257-069-2
/
/ Query Match 91.9%; Score 34; DB 4; Length 124;
/ Best Local Similarity 83.3%; Pred. No. 18;
/ Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TGYIYH 6
/ DB 30 TGYIYH 35
/
/ RESULT 7
/ US-08-230-843-4
/ Sequence 4, Application US/08230843
/ Patent No. 5582826
/ GENERAL INFORMATION:
/ APPLICANT: SHIMAMURA, TOSHIRO
/ APPLICANT: HAMURO, JUNJI
/ APPLICANT: NAKAZAWA, HARUMI
/ APPLICANT: KANAYAMA, YUKA
```

APPLICANT: SUGAMURA, KAZUO
APPLICANT: TAKESHITA, TOSHIKAZU
TITLE OF INVENTION: IMMUNOSUPPRESSANT
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/230,843
FILING DATE: 21-APR-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 094491/1993
FILING DATE: 21-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 036065/1994
FILING DATE: 07-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5582826man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 0010-0674-0X
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 243 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-230-843-4

Query Match 91.9%; Score 34; DB 1; Length 243;
Best Local Similarity 83.3%; Pred. No. 36;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
Db 152 TGYIYH 157

RESULT 8
US-08-636-936-4
Sequence 4, Application US/08636936
Patent No. 5856140
GENERAL INFORMATION:
APPLICANT: SHIMAMURA, TOSHIRO
APPLICANT: HAMURO, JUNJI
APPLICANT: KAKAZAWA, HARUMI
APPLICANT: KANAYAMA, YUKA
APPLICANT: SUGAMURA, KAZUO
APPLICANT: TAKESHITA, TOSHIKAZU
TITLE OF INVENTION: IMMUNOSUPPRESSANT
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/636,936
FILING DATE: 24-APR-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/230,843
FILING DATE: 21-APR-1994
APPLICATION NUMBER: JP 094491/1993
FILING DATE: 21-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 036065/1994
FILING DATE: 07-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5856140man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 0010-0674-0X
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 243 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-636-936-4

Query Match 91.9%; Score 34; DB 2; Length 243;
Best Local Similarity 83.3%; Pred. No. 36;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
Db 152 TGYIYH 157

RESULT 9
US-09-423-439-38
Sequence 38, Application US/09423439
Patent No. 6339070
GENERAL INFORMATION:
APPLICANT: EMERY, Stephen Charles
BLAKEY, David Charles
TITLE OF INVENTION: CHEMICAL COMPOUNDS
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillsbury Winthrop, L.L.P.
STREET: 1100 New York Ave., N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MS Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/423,439
FILING DATE: 09-NO. 6339070-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB98/01294
FILING DATE: 05-MAY-1998
APPLICATION NUMBER: GB 9709421.3
FILING DATE: 10-MAY-1997
INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:
LENGTH: 288 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 38;
US-09-423-439-38

Query Match 86.5%; Score 32; DB 4; Length 288;
Best Local Similarity 83.3%; Pred. No. 1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYIHH 6
DB 52 TGYIHH 57

RESULT 10
US-08-353-400-33
; Sequence 33, Application US/08353400
; Patent No. 5665357
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/353,400
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9324819.3
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9411089.7
; FILING DATE: 03-JUN-1994
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-353-400-33

Query Match 86.5%; Score 32; DB 1; Length 445;
Best Local Similarity 83.3%; Pred. No. 1.6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYIHH 6
DB 30 TGYIHH 35

RESULT 11
US-08-353-400-36
; Sequence 36, Application US/08353400
; Patent No. 5665357
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/353,400
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9324819.3
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9411089.7
FILING DATE: 03-JUN-1994
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 464 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-353-400-36

Query Match 86.5%; Score 32; DB 1; Length 464;
Best Local Similarity 83.3%; Pred. No. 1.6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYIHH 6
DB 49 TGYIHH 54

RESULT 12
US-09-370-807-4
; Sequence 4, Application US/09370807
; Patent No. 6297034
; GENERAL INFORMATION:
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Falco, S. Carl
; APPLICANT: Rafalski, J. Antoni
; APPLICANT: Sakai, Hajime
; TITLE OF INVENTION: N-End Rule Pathway Enzymes
; FILE REFERENCE: BB-1199
; CURRENT APPLICATION NUMBER: US/09/370,807
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: 60/096,225
; EARLIER FILING DATE: August 12, 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 4
; LENGTH: 585
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-09-370-807-4

Query Match 86.5%; Score 32; DB 3; Length 585;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GYIHH 6
DB 409 GYIHH 413

RESULT 13
US-09-921-259-4
; Sequence 4, Application US/09921259
; Patent No. 6465234
; GENERAL INFORMATION:
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Falco, S. Carl
; APPLICANT: Rafalski, J. Antoni
; APPLICANT: Sakai, Hajime
; TITLE OF INVENTION: N-End Rule Pathway Enzymes
; FILE REFERENCE: BB-1199
; CURRENT APPLICATION NUMBER: US/09/921,259
; CURRENT FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/096,225

; PRIOR FILING DATE: August 12, 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 4
; LENGTH: 585
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-09-921-259-4

Query Match 86.5%; Score 32; DB 4; Length 585;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GYIYH 6
|||
Db 409 GYIYH 413

RESULT 14

US-09-370-807-2
; Sequence 2, Application US/09370807
; Patent No. 6297034
; GENERAL INFORMATION:
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Falco, S. Carl
; APPLICANT: Rafalski, J. Antoni
; APPLICANT: Sakai, Hajime
; TITLE OF INVENTION: N-End Rule Pathway Enzymes
; FILE REFERENCE: BB-1199
; CURRENT APPLICATION NUMBER: US/09/370,807
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: 60/096,225
; EARLIER FILING DATE: August 12, 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 2
; LENGTH: 611
; TYPE: PRT
; ORGANISM: Glycine max
US-09-370-807-2

Query Match 86.5%; Score 32; DB 3; Length 611;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GYIYH 6
|||
Db 441 GYIYH 445

RESULT 15

US-09-921-259-2
; Sequence 2, Application US/09921259
; Patent No. 6465234
; GENERAL INFORMATION:
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Falco, S. Carl
; APPLICANT: Rafalski, J. Antoni
; APPLICANT: Sakai, Hajime
; TITLE OF INVENTION: N-End Rule Pathway Enzymes
; FILE REFERENCE: BB-1199
; CURRENT APPLICATION NUMBER: US/09/921,259
; CURRENT FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/096,225
; PRIOR FILING DATE: August 12, 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 2
; LENGTH: 611
; TYPE: PRT
; ORGANISM: Glycine max
US-09-921-259-2

Query Match 86.5%; Score 32; DB 4; Length 611;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GYIYH 6
|||
Db 441 GYIYH 445

Search completed: March 8, 2004, 15:30:07
Job time : 1.91304 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:02:19 ; Search time 36.3478 Seconds
(without alignments)
161.918 Million cell updates/sec

Title: US-09-724-530-7
Perfect score: 610
Sequence: 1 EVQLQQSGPDLVKGASVKI.....YCARREGIYWHGHTLTWSS 114

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	496	81.3	135	1	US-08-137-117D-27
2	496	81.3	135	2	US-08-436-717-27
3	488	80.0	137	2	US-08-116-778E-3
4	488	80.0	137	2	US-08-438-562-3
5	488	80.0	137	2	US-08-483-528B-93
6	487.5	79.9	301	2	US-08-656-906-25
7	487.5	79.9	301	3	US-09-217-847-25
8	487	79.8	118	4	US-09-647-468-139
9	487	79.8	118	4	US-09-647-468-140
10	487	79.8	137	4	US-09-647-468-153
11	487	79.8	137	4	US-09-647-468-154
12	485	79.5	128	1	US-08-202-047-21
13	485	79.5	128	3	US-08-964-690-21
14	483.5	79.3	115	3	US-08-838-682-8
15	483.5	79.3	115	3	US-08-895-914-8
16	483.5	79.3	115	3	US-09-357-707-8
17	483.5	79.3	115	4	US-09-357-707-8
18	483.5	79.3	130	3	US-08-838-682-4
19	483.5	79.3	130	3	US-08-895-914-4
20	483.5	79.3	130	3	US-09-357-710A-4
21	483.5	79.3	130	4	US-09-357-707-4
22	482.5	79.1	243	1	US-08-230-843-4
23	482.5	79.1	243	2	US-08-636-936-4
24	480	78.7	139	2	US-08-116-778E-1
25	480	78.7	139	2	US-08-438-562-1
26	480	78.7	139	2	US-08-483-528B-91
27	479	78.5	233	3	US-08-444-644-33

ALIGNMENTS

RESULT 1

US-08-137-117D-27
; Sequence 27, Application US/08137117D
; Patent No. 5795965
; GENERAL INFORMATION:
; APPLICANT: TSUCHIYA, Masayuki
; APPLICANT: SATO, Koh
; APPLICANT: BENDIG, Mary
; APPLICANT: JONES, Steven
; APPLICANT: SALDANHA, Jose
; TITLE OF INVENTION: RESHAPED HUMAN ANTIBODY TO HUMAN
; TITLE OF INVENTION: INTERLEUKIN-6 RECEPTOR
; NUMBER OF SEQUENCES: 158
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/137,117D
; FILING DATE: 20-DEC-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/JP92/00544
; FILING DATE: 24-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 4-32084
; FILING DATE: 19-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 3-95476
; FILING DATE: 25-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: WEGNER, Harold C.
; REGISTRATION NUMBER: 25,258
; REFERENCE/DOCKET NUMBER: 53466/126/AAOK
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid

28 479 78.5 233 4 US-08-232-246A-33 Sequence 33, Appl
29 479 78.5 235 3 US-08-444-644-19 Sequence 19, Appl
30 479 78.5 235 3 US-08-444-644-28 Sequence 28, Appl
31 479 78.5 235 3 US-08-444-644-42 Sequence 42, Appl
32 479 78.5 235 4 US-08-232-246A-19 Sequence 19, Appl
33 479 78.5 235 4 US-08-232-246A-28 Sequence 28, Appl
34 479 78.5 235 4 US-08-232-246A-42 Sequence 42, Appl
35 477 78.4 118 1 US-08-431-845-6 Sequence 6, Appl
36 477 78.2 116 1 US-07-634-278-56 Sequence 56, Appl
37 477 78.2 116 1 US-08-477-728-56 Sequence 56, Appl
38 477 78.2 116 1 US-08-474-040-56 Sequence 56, Appl
39 477 78.2 116 1 US-08-487-200-56 Sequence 56, Appl
40 477 78.2 116 3 US-08-484-537-56 Sequence 56, Appl
41 477 78.2 135 1 US-07-634-278-69 Sequence 69, Appl
42 477 78.2 135 1 US-08-477-728-69 Sequence 69, Appl
43 477 78.2 135 1 US-08-474-040-69 Sequence 69, Appl
44 477 78.2 135 1 US-08-487-200-69 Sequence 69, Appl
45 477 78.2 135 3 US-08-484-537-69 Sequence 69, Appl


```
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
FEATURE:
NAME/KEY: domain
LOCATION: 99..107
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
US-08-116-778E-3

Query Match      80.0%; Score 488; DB 2; Length 137;
Best Local Similarity 79.7%; Pred. No. 3.7e-40;
Matches 94; Conservative 7; Mismatches 13; Indels 4; Gaps 1;

QY 1 EVQLQSGDPLVKPGASVKISKASGYSFTGYIHWKQSHGKSLWIGVFNNGGTSY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 20 EVQLQSGPELVKPGASVKISKASGYSFTGYIHWKQSHGKSLWIGVFNNGGTSY 79
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 61 NQKPKGKAILTVDKSSSTAYMELSLTSEDSAVVYCAREGIY-----WGHGTLTVSS 114
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 80 NQKFKSKATLTVDKSSSTAYMELSLTSEDSAVVYCAREGIYVANDWGQGLTVTVA 137
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 4
US-08-438-562-3
Sequence 3, Application US/08438562
Patent No. 5874255
GENERAL INFORMATION:
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: KOIKE, MASAMICHI
APPLICANT: SHITARA, KENYA
APPLICANT: HANAI, NOBUO
APPLICANT: KUWANA, YOSHIHISA
APPLICANT: HASEGAWA, MAMORU
TITLE OF INVENTION: HUMANIZED ANTIBODIES
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESS: NIXON & VANDERHYE P. C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/438,562
FILING DATE: 10-MAY-95
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/116,778
FILING DATE: 07-SEP-93
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 249-76
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 137 amino acids
TYPE: amino acids
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: sig_peptide
LOCATION: -19...-1
```

```
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
FEATURE:
NAME/KEY: domain
LOCATION: 31..35
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"

FEATURE:
NAME/KEY: domain
LOCATION: 55..66
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"

FEATURE:
NAME/KEY: domain
LOCATION: 99..107
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
US-08-438-562-3

Query Match      80.0%; Score 488; DB 2; Length 137;
Best Local Similarity 79.7%; Pred. No. 3.7e-40;
Matches 94; Conservative 7; Mismatches 13; Indels 4; Gaps 1;

QY 1 EVQLQSGDPLVKPGASVKISKASGYSFTGYIHWKQSHGKSLWIGVFNNGGTSY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 20 EVQLQSGPELVKPGASVKISKASGYSFTGYIHWKQSHGKSLWIGVFNNGGTSY 79
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 61 NQKPKGKAILTVDKSSSTAYMELSLTSEDSAVVYCAREGIY-----WGHGTLTVSS 114
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 80 NQKFKSKATLTVDKSSSTAYMELSLTSEDSAVVYCAREGIYVANDWGQGLTVTVA 137
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 5
US-08-483-528B-93
Sequence 93, Application US/08483528B
Patent No. 5939532
GENERAL INFORMATION:
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: KOIKE, MASAMICHI
APPLICANT: SHITARA, KENYA
APPLICANT: HANAI, NOBUO
APPLICANT: KUWANA, YOSHIHISA
APPLICANT: HASEGAWA, MAMORU
TITLE OF INVENTION: HUMANIZED ANTIBODIES
NUMBER OF SEQUENCES: 103
CORRESPONDENCE ADDRESS:
ADDRESS: NIXON & VANDERHYE P. C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,528B
FILING DATE: 07-JUN-95
CLASSIFICATION: 536
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 93:
SEQUENCE CHARACTERISTICS:
```


Query Match 79.8%; Score 487; DB 4; Length 137;
Best Local Similarity 80.5%; Pred. No. 4.6e-40;
Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;

QY 1 EVLOQSGPDLVKPGASVKISCKASGYSTGYIHWKSHGKSLGWIGRVIPNNGTISY 60
DB 20 EIQLQQSGPELVKPGASVKISCKASGYSTGYIHWKSHGKSLGWIGRVIPNNGTISY 79

QY 61 NQKFKGKAILTVDKSSSTAYMELRSLTSEDSAVVYCAR--EGIY--WWGHGTTLTVSS 114
DB 80 NQKFKGKATLTVDKSSSTAFMHLNSLTSEDSAVVYCARGGEGYFYDYWGQGTTLTVSS 137

RESULT 11
US-09-647-468-154
; Sequence 154, Application US/09647468
; Patent No. 6677436
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: ADACHI, HIDEKI
; APPLICANT: YABUTA, NAOHRO
; TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND
; FILE REFERENCE: 053466/0289
; CURRENT APPLICATION NUMBER: US/09/647,468
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: PCR/JF99/01768
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: JP 10-91850
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 154
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Amino acid
; OTHER INFORMATION: sequence coding for H chain V region of ant-TF
; OTHER INFORMATION: mouse monoclonal antibody ATR-3
US-09-647-468-154

Query Match 79.8%; Score 487; DB 4; Length 137;
Best Local Similarity 80.5%; Pred. No. 4.6e-40;
Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;

QY 1 EVLOQSGPDLVKPGASVKISCKASGYSTGYIHWKSHGKSLGWIGRVIPNNGTISY 60
DB 20 EIQLQQSGPELVKPGASVKISCKASGYSTGYIHWKSHGKSLGWIGRVIPNNGTISY 79

QY 61 NQKFKGKAILTVDKSSSTAYMELRSLTSEDSAVVYCAR--EGIY--WWGHGTTLTVSS 114
DB 80 NQKFKGKATLTVDKSSSTAFMHLNSLTSEDSAVVYCARGGEGYFYDYWGQGTTLTVSS 137

RESULT-12
US-08-202-047-21
; Sequence 21, Application US/08202047
; Patent No. 580815
; GENERAL INFORMATION:
; APPLICANT: CHESNUT, Robert W.
; APPLICANT: POLLEY, Margaret J.
; APPLICANT: PAULSON, James C.
; APPLICANT: JONES, S. Tarran
; APPLICANT: SALDANHA, Jose W.
; APPLICANT: BENDIG, Mary M.
; TITLE OF INVENTION: Antibodies to P-Selectin and Their Uses
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco

STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,047
FILING DATE: 25-FEB-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 14137-77
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..128
OTHER INFORMATION: /label= MOUSE_IIA
US-08-202-047-21

Query Match 79.5%; Score 485; DB 1; Length 128;
Best Local Similarity 74.2%; Pred. No. 6.6e-40;
Matches 95; Conservative 8; Mismatches 11; Indels 14; Gaps 1;

QY 1 EVLOQSGPDLVKPGASVKISCKASGYSTGYIHWKSHGKSLGWIGRVIPNNGTISY 60
DB 1 EVLOQSGPELVKPGASVKISCKASGYSTGYIHWKSHGKSLGWIGRVIPNNGTISY 60

QY 61 NQKFKGKAILTVDKSSSTAYMELRSLTSEDSAVVYCAR--EGIY--WWGH 106
DB 61 NQKFKGKATLTVDKSSSTAYMELRSLTSEDSAVVYCARGGEGYFYDYWGQGTTLTVSS 120

QY 107 GTTLTVSS 114
DB 121 GTTLTVSS 128

RESULT 13
US-08-964-690-21
; Sequence 21, Application US/08964690
; Patent No. 6033667
; GENERAL INFORMATION:
; APPLICANT: CHESNUT, Robert W.
; APPLICANT: POLLEY, Margaret J.
; APPLICANT: PAULSON, James C.
; APPLICANT: JONES, S. Tarran
; APPLICANT: SALDANHA, Jose W.
; APPLICANT: BENDIG, Mary M.
; TITLE OF INVENTION: Antibodies to P-Selectin and Their Uses
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; COUNTRY: USA
; ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,690
FILING DATE: 18-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/1172
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..128
OTHER INFORMATION: /label= MOUSE_IIA
US-08-964-690-21

Query Match 79.5%; Score 485; DB 3; Length 128;
Best Local Similarity 74.2%; Pred. No. 6.6e-40;
Matches 95; Conservative 8; Mismatches 11; Indels 14; Gaps 1;

QY 1 EVLQSQGPDLVKPGASVKISKASGYFTGYTHWVKQSHGKSLWIGRVPNNGTSY 60
Db 1 EVLQSQGPELVKPGASVKISKASGYFTGYTHWVKQSHGKSLWIGRVPNNGTSY 60
QY 61 NQKFKGKALTVDKSSSTAYMELRLSLTSDSAVYICAREGIY-WWGH 106
Db 61 NQKFKGKALTVDKSSSTAYMELRLSLTSDSAVYICAREGIY-WWGH 120
QY 107 GTTLTVSS 114
Db 121 GTTVTVSS 128

RESULT 14
US-08-838-682-8
Sequence 8, Application US/08838682
Patent No. 6107090
GENERAL INFORMATION:
APPLICANT: Bander M.D., Neil H.
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE
CANCER
TITLE OF INVENTION: CANCER
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603-1051
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,682
FILING DATE: 06-MAY-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/016,976
FILING DATE: 06-MAY-1996

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/022,125
FILING DATE: 18-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/1172
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-838-682-8

Query Match 79.3%; Score 483.5; DB 3; Length 115;
Best Local Similarity 80.9%; Pred. No. 8.2e-40;
Matches 93; Conservative 8; Mismatches 13; Indels 1; Gaps 1;

QY 1 EVLQSQGPDLVKPGASVKISKASGYFTGYTHWVKQSHGKSLWIGRVPNNGTSY 60
Db 1 EVLQSQGPELVKPGTSVRISCKTSGYTFTEYTHWVKQSHGKSLWIGRVPNNGTSY 60
QY 61 NQKFKGKALTVDKSSSTAYMELRLSLTSDSAVYICAREGIY-WWGH 114
Db 61 NQKFKGKALTVDKSSSTAYMELRLSLTSDSAVYICAREGIY-WWGH 115

RESULT 15
US-08-895-914-8
Sequence 8, Application US/08895914
Patent No. 6136311
GENERAL INFORMATION:
APPLICANT: Bander, Neil H.
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: U.S.A.
ZIP: 14603-1051
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/895,914
FILING DATE: 06-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/016,976
FILING DATE: 06-MAY-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/022,125
FILING DATE: 18-JUL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/838,682
FILING DATE: 09-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/1173
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 8:

```

; SEQUENCE CHARACTERISTICS:
; LENGTH: 115 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-895-914-8

Query Match      79.3%; Score 483.5; DB 3; Length 115;
Best Local Similarity 80.9%; Pred. No. 8.2e-40;
Matches 93; Conservative 8; Mismatches 13; Indels 1; Gaps 1;

QY 1 EVLOQSGPDLVKPGASVKISCKASGYSTGYIHWVKQSHKSLIEWIGRVIPIPNNGGTSY 60
Db 1 EVLOQSGPELVKPGTSVRISCKTSGYTFETIHWVKQSHKSLIEWIGNINPNNGGTY 60

QY 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WMGHGTTILTVSS 114
Db 61 NQKFEDKATLTVDKSSSTAYMELRLSITSEDSAVYYCAAGWNPFDYWGQGTTILTVSS 115

Search completed: March 8, 2004, 15:30:07
Job time : 37.3478 secs
```

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:02:19 ; Search time 2.23188 Seconds
(without alignments)
161.918 Million cell updates/sec

Title: US-09-724-530-4
Perfect score: 34
Sequence: 1 TVSNRPS 7

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A-COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B-COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A-COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B-COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	DB ID	Description
1	29	85.3	7	1	US-08-244-626-6
2	29	85.3	7	1	US-08-053-171-28
3	29	85.3	7	2	US-08-560-558B-30
4	29	85.3	7	4	US-09-217-268B-30
5	29	85.3	23	5	PCT-US91-02942-23
6	29	85.3	23	5	PCT-US91-02942-39
7	29	85.3	31	4	US-08-525-539A-15
8	29	85.3	34	4	US-08-525-539A-17
9	29	85.3	50	5	PCT-US91-02942-8
10	29	85.3	50	5	PCT-US91-02942-9
11	29	85.3	65	2	US-08-273-146-51
12	29	85.3	104	3	US-08-881-037-37
13	29	85.3	110	1	US-08-244-626-2
14	29	85.3	110	4	US-09-025-769B-33
15	29	85.3	110	4	US-09-025-769B-53
16	29	85.3	111	1	US-07-942-245-25
17	29	85.3	111	1	US-07-942-245-27
18	29	85.3	111	1	US-07-942-245-29
19	29	85.3	111	1	US-07-942-245-31
20	29	85.3	112	1	US-08-053-171-15
21	29	85.3	112	1	US-08-331-398A-48
22	29	85.3	112	1	US-08-331-398A-50
23	29	85.3	112	1	US-08-478-039-88
24	29	85.3	112	1	US-08-077-252B-3
25	29	85.3	112	1	US-08-476-349A-88
26	29	85.3	112	1	US-08-368-672A-21
27	29	85.3	112	1	US-08-368-672A-25

Sequence 18, Appl
Sequence 18, Appl
Sequence 19, Appl
Sequence 25, Appl
Sequence 29, Appl
Sequence 33, Appl
Sequence 4, Appl
Sequence 8, Appl
Sequence 15, Appl
Sequence 18, Appl
Sequence 16, Appl
Sequence 15, Appl
Sequence 48, Appl
Sequence 50, Appl
Sequence 48, Appl
Sequence 50, Appl
Sequence 25, Appl
Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-08-244-626-6
; Sequence 6, Application US/08244626
; Patent No. 5502167
; GENERAL INFORMATION:
; APPLICANT: Waldmann, Herman
; APPLICANT: Walsh, Louise
; APPLICANT: Crowe, James Scott
; TITLE OF INVENTION: CDR GRAFTED HUMANISED CHIMERIC T-CELL
; TITLE OF INVENTION: ANTIBODIES
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N. W.
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/244,626
; FILING DATE: July 15, 1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB92/02251
; FILING DATE: December 4, 1992
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Ernet, Barbara G.
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1808-153A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 783-6040
; TELEFAX: (202) 783-6031
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-244-626-6

Query Match 85.3%; Score 29; DB 1; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05; 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0; Indels 0;

QY 2 VSNRFS 7
 |||||
 Db 2 VSNRFS 7

RESULT 2

JS-08-053-171-28
 ; Sequence 28, Application US/08053171
 ; Patent No. 5562903
 ; GENERAL INFORMATION:
 ; APPLICANT: Co. Loibner
 ; TITLE OF INVENTION: Antibody Derivatives
 ; NUMBER OF SEQUENCES: 32
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend Kourie and Crew
 ; STREET: 379 Lytton Avenue
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: US
 ; ZIP: 94301

COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/053,171
 ; FILING DATE: 22-APR-1993
 ; CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
 ; NAME: Smith, William M
 ; REGISTRATION NUMBER: 30,223
 ; REFERENCE/DOCKET NUMBER: 11823-54-1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 326-2400
 ; TELEFAX: (415) 326-2422
 ; INFORMATION FOR SEQ ID NO: 28:

SEQUENCE CHARACTERISTICS:

LENGTH: 7 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; HYPOTHETICAL: NO
 ; FEATURE:

NAME/KEY: Peptide

LOCATION: 1..7

OTHER INFORMATION: /note="Second

OTHER INFORMATION: complementarity-determining region (CDR2) of

OTHER INFORMATION: BR55-2 antibody light chain"

US-08-053-171-28

Query Match 85.3%; Score 29; DB 1; Length 7;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
 |||||
 Db 2 VSNRFS 7

RESULT 3

US-08-560-558B-30
 ; Sequence 30, Application US/08560558E
 ; Patent No. 5891996
 ; GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: Humanized and chimeric monoclonal

TITLE OF INVENTION: antibodies that recognize epidermal growth factor receptor

TITLE OF INVENTION: EGF-R; diagnostic and therapeutic use.

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Allen C. Turner, TRASK, BRITT & ROSSA

STREET: P.O. Box 2250
 CITY: Salt Lake City
 STATE: Utah
 COUNTRY: United States of America
 ZIP: 84110

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: WINDOWS95
 ; SOFTWARE: WordPerfect 5.1/5.2
 ; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/560,558E
 ; FILING DATE: No. 5891996ember 17, 1995
 ; ATTORNEY/AGENT INFORMATION:

NAME: Turner, Allen C.

REGISTRATION NUMBER: 33,041

REFERENCE/DOCKET NUMBER: 2720US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (801) 532-1922

TELEFAX: (801) 531-9168

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 7 amino acids

TYPE: amino acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-08-560-558E-30

Query Match 85.3%; Score 29; DB 2; Length 7;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
 |||||

Db 2 VSNRFS 7

RESULT 4

US-09-217-268B-30
 ; Sequence 30, Application US/09217268B
 ; Patent No. 6506883

GENERAL INFORMATION:

APPLICANT: Mateo de Acosta del Rio, Christina M

APPLICANT: Rodriguez, Rolando P

TITLE OF INVENTION: Humanized and Chimeric Monoclonal Antibodies That Recognize Epide

TITLE OF INVENTION: Growth Factor Receptor (EGF-R); Diagnostic and Therapeutic Use

FILE REFERENCE: 2720.1US

CURRENT APPLICATION NUMBER: US/09/217,268B

CURRENT FILING DATE: 1998-12-21

NUMBER OF SEQ ID NOS: 36

SOFTWARE: Patent in version 3.1

SEQ ID NO 30

LENGTH: 7

TYPE: PRT

ORGANISM: Murine

FEATURE:

NAME/KEY: MISC FEATURE

OTHER INFORMATION: CDR of murine R3 antibody

US-09-217-268B-30

Query Match 85.3%; Score 29; DB 4; Length 7;
 Best Local Similarity 100.0%; Pred. No. 3e+05;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
 |||||

Db 2 VSNRFS 7

RESULT 5

PCT-US91-02942-23
; Sequence 23, Application PC/TUS9102942
; GENERAL INFORMATION:
; APPLICANT: ROTHLEIN, ROBERT
; APPLICANT: ADAIR, JOHN R
; APPLICANT: ADIRAL, DILJEET S
; TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02942
; FILING DATE: 19910429
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9009549.8
; FILING DATE: 27-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAM L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 1011.0586600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 466-0800
; TELEFAX: (202) 833-8716
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02942-23

Query Match 85.3%; Score 29; DB 5; Length 23;
Best Local Similarity 100.0%; Pred. No. 6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
| | | | |
DB 11 VSNRFS 16

RESULT 6
PCT-US91-02942-39
; Sequence 39, Application PC/TUS9102942
; GENERAL INFORMATION:
; APPLICANT: ROTHLEIN, ROBERT
; APPLICANT: ADAIR, JOHN R
; APPLICANT: ADIRAL, DILJEET S
; TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
; NUMBER OF SEQUENCES: 102
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Ave. NW Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US91/02942
; FILING DATE: 19910429
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9009549.8
; FILING DATE: 27-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAM L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 1011.0586600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 466-0800
; TELEFAX: (202) 833-8716
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02942-39

Query Match 85.3%; Score 29; DB 5; Length 23;
Best Local Similarity 100.0%; Pred. No. 6;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
| | | | |
DB 11 VSNRFS 16

RESULT 7
US-08-525-539A-15
; Sequence 15, Application US/08525539A
; Patent No. 6309636
; GENERAL INFORMATION:
; APPLICANT: DO COUTO, FERNANDO J.R.
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; TITLE OF INVENTION: RECOMBINANT PEPTIDES DERIVED FROM THE
; TITLE OF INVENTION: MC3 ANTI-BA46 ANTIBODY, METHODS OF USE THEREOF, AND
; TITLE OF INVENTION: METHODS OF HUMANIZING ANTIBODY PEPTIDES
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,539A
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: DYLAN, TYLER
; REGISTRATION NUMBER: 37,612
; REFERENCE/DOCKET NUMBER: 27633-20001.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-525-539A-15

Query Match 85.3%; Score 29; DB 4; Length 31;
Best Local Similarity 100.0%; Pred. No. 8.3;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 2 VSNRFS 7

RESULT 8

US-08-525-539A-17
Sequence 17, Application US/08525539A
Patent No. 6309636
GENERAL INFORMATION:
APPLICANT: DO COUTO, FERNANDO J.R.
APPLICANT: CERIANI, ROBERTO L.
APPLICANT: PETERSON, JERRY A.
TITLE OF INVENTION: RECOMBINANT PEPTIDES DERIVED FROM THE
TITLE OF INVENTION: MC3 ANTI-BA46 ANTIBODY, METHODS OF USE THEREOF, AND
TITLE OF INVENTION: METHODS OF HUMANIZING ANTIBODY PEPTIDES
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,539A
FILING DATE: 14-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: DYLAN, TYLER
REGISTRATION NUMBER: 37,612
REFERENCE/DOCKET NUMBER: 27633-20001.21
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-525-539A-17

Query Match 85.3%; Score 29; DB 4; Length 34;
Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 2 VSNRFS 7

RESULT 9

PCT-US91-02942-8
Sequence 8, Application PC/TUS9102942
GENERAL INFORMATION:
APPLICANT: ROTHLEIN, ROBERT
APPLICANT: ADAIR, JOHN R.
APPLICANT: ATHWAL, DILJEET S
TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:

ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1225 Connecticut Ave. NW Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02942
FILING DATE: 19910429
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9009549.8
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAM L
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 1011.0586600
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US91-02942-8

Query Match 85.3%; Score 29; DB 5; Length 50;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 6 VSNRFS 11

RESULT 10

PCT-US91-02942-9
Sequence 9, Application PC/TUS9102942
GENERAL INFORMATION:
APPLICANT: ROTHLEIN, ROBERT
APPLICANT: ADAIR, JOHN R.
APPLICANT: ATHWAL, DILJEET S
TITLE OF INVENTION: HUMANIZED CDR-GRAFTED ICAM-1 ANTIBODY
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1225 Connecticut Ave. NW Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02942
FILING DATE: 19910429
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9009549.8
FILING DATE: 27-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAM L
REGISTRATION NUMBER: 30,353

REFERENCE/DOCKET NUMBER: 1011.0586600
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US91-02942-9

Query Match 85.3%; Score 29; DB 5; Length 50;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 6 VSNRFS 11

RESULT 11
US-08-273-146-51
Sequence 51, Application US/08273146
Patent No. 5855885
GENERAL INFORMATION:
APPLICANT: Smith, Rodger
APPLICANT: McCafferty, John
APPLICANT: Chiswell, David
APPLICANT: Daraley, Michael J.
APPLICANT: Fitzgerald, Kevin
APPLICANT: Kenten, John H.
APPLICANT: Martin, Mark T.
APPLICANT: Titmas, Richard C.
APPLICANT: Williams, Richard O.
TITLE OF INVENTION: The Isolation and Production of
NUMBER OF SEQUENCES: 71
CORRESPONDENCE ADDRESS:
ADDRESSEE: IGEN, Inc.
STREET: 1530 East Jefferson St.
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20852
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.125
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/273,146
FILING DATE: 14-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ryan, John W.
REGISTRATION NUMBER: 33,771
REFERENCE/DOCKET NUMBER: 09000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-984-8000
TELEFAX: 301-230-0158
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-273-146-51

Query Match 85.3%; Score 29; DB 2; Length 65;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 47 VSNRFS 52

RESULT 12
US-08-881-037-37
Sequence 37, Application US/08881037
Patent No. 6080588
GENERAL INFORMATION:
APPLICANT: Click, Gary D.
APPLICANT: Swanson, Patrick C.
TITLE OF INVENTION: DNA BINDING ANTIBODIES
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Konaki, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX:
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-881-037-37

Query Match 85.3%; Score 29; DB 3; Length 104;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 48 VSNRFS 53

RESULT 13
US-08-244-626-2
Sequence 2, Application US/08244626
Patent No. 5502167
GENERAL INFORMATION:
APPLICANT: Waldmann, Herman
APPLICANT: Waleh, Louise
APPLICANT: Crowe, James Scott
APPLICANT: Lewis, Alan Peter
TITLE OF INVENTION: CDR GRAFTED HUMANISED CHIMERIC T-CELL
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg, Ernst & Kurz, p.c.

STREET: 555 Thirteenth Street, N. W.
CITY: Washington
STATE: D. C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/244,626
FILING DATE: July 15, 1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB92/02251
FILING DATE: December 4, 1992
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Ernst, Barbara G.
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-153A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-244-626-2

Query Match 85.3%; Score 29; DB 1; Length 110;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRPS 7
Db 56 VSNRPS 61

RESULT 14
US-09-025-769B-33
Sequence 33, Application US/09025769B
Patent No. 6300064
GENERAL INFORMATION:
APPLICANT: Knappik, Achim
APPLICANT: Pack, Peter
APPLICANT: Ilag, Vic
APPLICANT: Ge, Liming
APPLICANT: Moroney, Simon
APPLICANT: Plueckthun, Andreas
TITLE OF INVENTION: Protein/(Poly)peptide libraries
NUMBER OF SEQUENCES: 373
CORRESPONDENCE ADDRESSES:
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10021
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/025,769B
FILING DATE: 18-FEB-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95 11 3021.0
FILING DATE: 18-AUG-1995

ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr., Esq.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: MORPHO/5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)596-9000
TELEFAX: (212)596-9090
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-025-769B-33

Query Match 85.3%; Score 29; DB 4; Length 110;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRPS 7
Db 60 VSNRPS 65

RESULT 15
US-09-025-769B-53
Sequence 53, Application US/09025769B
Patent No. 6300064
GENERAL INFORMATION:
APPLICANT: Knappik, Achim
APPLICANT: Pack, Peter
APPLICANT: Ilag, Vic
APPLICANT: Ge, Liming
APPLICANT: Moroney, Simon
APPLICANT: Plueckthun, Andreas
TITLE OF INVENTION: Protein/(Poly)peptide libraries
NUMBER OF SEQUENCES: 373
CORRESPONDENCE ADDRESSES:
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10021
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/025,769B
FILING DATE: 18-FEB-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95 11 3021.0
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr., Esq.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: MORPHO/5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)596-9000
TELEFAX: (212)596-9090
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-025-769B-53

Query Match 85.3%; Score 29; DB 4; Length 110;
Best Local Similarity 100.0%; Pred. No. 33;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRES 7

|||||

Db 60 VSNRES 65

Search completed: March 8, 2004, 15:30:06
Job time : 2.23188 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:06:59 ; Search time 71.8696 Seconds
(without alignments)

334.933 Million cell updates/sec

Title: US-09-724-530-7

Perfect score: 610

Sequence: 1 EVQLQQSGPDLVFKPGASVKI.....YCARIGYWGHTLTIVSS 114

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubaa/US60_PUBCOMB.pep.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	494	81.0	672	10	US-09-900-766-1 Sequence 1, Appli
2	483.5	79.3	115	10	US-09-929-665-8 Sequence 8, Appli
3	483.5	79.3	115	10	US-09-929-546-8 Sequence 8, Appli
4	483.5	79.3	130	10	US-09-929-665-4 Sequence 4, Appli
5	483.5	79.3	130	10	US-09-929-546-4 Sequence 4, Appli
6	477.5	78.3	115	14	US-10-160-506-19 Sequence 19, Appli
7	477	78.2	116	15	US-10-389-155-15 Sequence 15, Appli
8	477	78.2	135	15	US-10-389-155-60 Sequence 60, Appli
9	475.5	78.0	121	14	US-10-422-049-5 Sequence 5, Appli
10	474.5	77.8	125	10	US-09-929-665-20 Sequence 20, Appli
11	474.5	77.8	125	10	US-09-929-546-20 Sequence 20, Appli
12	474.5	77.8	125	14	US-10-160-506-79 Sequence 79, Appli
13	473	77.5	120	15	US-10-372-719-2 Sequence 2, Appli
14	470.5	77.1	118	10	US-09-802-083-5 Sequence 5, Appli
15	470.5	77.1	118	14	US-10-165-732A-5 Sequence 5, Appli

ALIGNMENTS

RESULT 1

US-09-900-766-1

Sequence 1, Application US/09900766
Publication No. US20030039655A1
GENERAL INFORMATION:
APPLICANT: FORSBERG, GORAN
APPLICANT: ERLANDSSON, EVA
APPLICANT: ANTONSSON, PER
APPLICANT: WALSE, BJORN
TITLE OF INVENTION: A NOVEL ENGINEERED SUPERANTIGEN FOR HUMAN THERAPY
FILE REFERENCE: P02188US0:10104199
CURRENT APPLICATION NUMBER: US/09/900,766
CURRENT FILING DATE: 2001-07-06
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 672
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: PEPTIDE
LOCATION: (1)..(672)
OTHER INFORMATION: Conjugate protein

Query Match Similarity 81.0%; Score 494; DB 10; Length 672;
Best Local Similarity 80.0%; Pred. No. 2.5e-39;
Matches 96; Conservative 7; Mismatches 11; Indels 6; Gaps 1;

QY	1	EVQLQQSGPDLVFKPGASVKISCKASGYFTGYYIHVKQSHGSKLEWIGRVIPNNGTSY 60
Db	1	EVQLQQSGPDLVFKPGASVKISCKASGYFTGYYIHVKQSHGSKLEWIGRVIPNNGTSY 60
QY	61	NQKFGKAILTVDKSSSTAYMELSLTSEDSAVYYCARSGIY-----HWGHTLTIVSS 114
Db	61	NQKFGKATLTVDKSSSTAYMELSLTSEDSAVYYCARSGIY-----HWGHTLTIVSS 120

RESULT 2
US-09-929-665-8
; Sequence 8, Application US/09929665
; Publication No. US20030003101A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: Lois M. Kwasiogoch: BZL 242/024
; CURRENT APPLICATION NUMBER: US/09/929,665
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,704
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-929-665-8
Query Match 79.3%; Score 483.5; DB 10; Length 115;
Best Local Similarity 80.9%; Pred. No. 3.7e-39;
Matches 93; Conservative 8; Mismatches 13; Indels 1; Gaps 1;
QY 1 EVOLQSGPDLVDPKASVKISCKASGYSFTGYIHWVKQSHGKSLWIGRVPNNGTSS 60
Db 1 EVOLQSGPDLVDPKASVKISCKASGYSFTGYIHWVKQSHGKSLWIGRVPNNGTSS 60
QY 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 114
Db 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 115
RESULT 3
US-09-929-546-8
; Sequence 8, Application US/09929546
; Publication No. US200300031673A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
; FILE REFERENCE: Lois M. Kwasiogoch: BZL 242/028
; CURRENT APPLICATION NUMBER: US/09/929,546
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,708
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-929-546-8
Query Match 79.3%; Score 483.5; DB 10; Length 115;
Best Local Similarity 80.9%; Pred. No. 3.7e-39;
Matches 93; Conservative 8; Mismatches 13; Indels 1; Gaps 1;
QY 1 EVOLQSGPDLVDPKASVKISCKASGYSFTGYIHWVKQSHGKSLWIGRVPNNGTSS 60
Db 1 EVOLQSGPDLVDPKASVKISCKASGYSFTGYIHWVKQSHGKSLWIGRVPNNGTSS 60
QY 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 114
Db 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 115

QY 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 114
Db 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 115
RESULT 4
US-09-929-665-4
; Sequence 4, Application US/09929665
; Publication No. US20030003101A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: Lois M. Kwasiogoch: BZL 242/024
; CURRENT APPLICATION NUMBER: US/09/929,665
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,704
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-929-665-4
Query Match 79.3%; Score 483.5; DB 10; Length 130;
Best Local Similarity 80.9%; Pred. No. 4.2e-39;
Matches 93; Conservative 8; Mismatches 13; Indels 1; Gaps 1;
QY 1 EVOLQSGPDLVDPKASVKISCKASGYSFTGYIHWVKQSHGKSLWIGRVPNNGTSS 60
Db 1 EVOLQSGPDLVDPKASVKISCKASGYSFTGYIHWVKQSHGKSLWIGRVPNNGTSS 70
QY 61 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 114
Db 71 NQKFKGKAILTVDKSSSTAYMELRLSITSEDSAVYYCAREGIY-WWGHGTTLTVSS 125
RESULT 5
US-09-929-546-4
; Sequence 4, Application US/09929546
; Publication No. US200300031673A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
; FILE REFERENCE: Lois M. Kwasiogoch: BZL 242/028
; CURRENT APPLICATION NUMBER: US/09/929,546
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,708
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-929-546-4
Query Match 79.3%; Score 483.5; DB 10; Length 130;
Best Local Similarity 80.9%; Pred. No. 4.2e-39;
Matches 93; Conservative 8; Mismatches 13; Indels 1; Gaps 1;

```
QY 1 EVLOQSGPDLVKPGASVKISKASGYSFTGYIHWVKQSHGKSLWIGRVIPNNGTTSY 60
DB 11 EVLOQSGPELVKPGTSVRIISCKTSGYTFTYTHWVKQSHGKSLWIGNINPNNGTTY 70
QY 61 NQKFKGKAILTVDKSSSTAYMELRLTSDSAVYICAREGIY-WWGHGTTLTVSS 114
DB 71 NQKFKGKAILTVDKSSSTAYMELRLTSDSAVYICAREGIY-WWGHGTTLTVSS 125

RESULT 6
US-10-160-506-19
; Sequence 19, Application US/10160506
; Publication No. US20030161832A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING OR PREVENTING
; TITLE OF INVENTION: SKIN DISORDERS USING BINDING AGENTS SPECIFIC FOR
; FILE REFERENCE: 10448-162001
; CURRENT APPLICATION NUMBER: US/10/160,506
; CURRENT FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: 60/324,100
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: 60/362,612
; PRIOR FILING DATE: 2002-03-08
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; TYPE: PRT
; LENGTH: 115
; ORGANISM: Mus musculus
US-10-160-506-19

Query Match 78.3%; Score 477.5; DB 14; Length 115;
Best Local Similarity 80.0%; Pred. No. 1.4e-38;
Matches 92; Conservative 8; Mismatches 14; Indels 1; Gaps 1;

QY 1 EVLOQSGPDLVKPGASVKISKASGYSFTGYIHWVKQSHGKSLWIGRVIPNNGTTSY 60
DB 1 EVLOQSGPELVKPGTSVRIISCKTSGYTFTYTHWVKQSHGKSLWIGNINPNNGTTY 60
QY 61 NQKFKGKAILTVDKSSSTAYMELRLTSDSAVYICAREGIY-WWGHGTTLTVSS 114
DB 61 NQKFKGKAILTVDKSSSTAYMELRLTSDSAVYICAREGIY-WWGHGTTLTVSS 115

RESULT 7
US-10-389-155-15
; Sequence 15, Application US/10389155
; Publication No. US20030229208A1
; GENERAL INFORMATION:
; APPLICANT: Queen, Cary L.
; Co, Man Sung
; Schneider, William P.
; Landolfi, Nicholas F.
; Coelingh, Kathleen L.
; Selick, Harold E.
; TITLE OF INVENTION: Improved Humanized Immunoglobulins
; NUMBER OF SEQUENCES: 100
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/389,155
; FILING DATE: 13-Mar-2003
```

```
; APPLICATION NUMBER: US/10/389,155
; FILING DATE: 13-Mar-2003
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/325,000
; FILING DATE: 01-JUN-1999
; APPLICATION NUMBER: US 07/290,975
; FILING DATE: 28-DEC-1988
; APPLICATION NUMBER: US 07/310,252
; FILING DATE: 13-FEB-1989
; APPLICATION NUMBER: US 07/590,274
; FILING DATE: 28-SEP-1990
; APPLICATION NUMBER: US 07/634,278
; FILING DATE: 19-DEC-1990
; APPLICATION NUMBER: US 08/484,537
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 011823-002650US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 116 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-389-155-15

Query Match 78.2%; Score 477; DB 15; Length 116;
Best Local Similarity 78.4%; Pred. No. 1.6e-38;
Matches 91; Conservative 10; Mismatches 13; Indels 2; Gaps 1;

QY 1 EVLOQSGPDLVKPGASVKISKASGYSFTGYIHWVKQSHGKSLWIGRVIPNNGTTSY 60
DB 1 EVLOQSGPELVKPGASVKISKASGYTFTDYNHWVKQSHGKSLWIGYIYPNGGTGY 60
QY 61 NQKFKGKAILTVDKSSSTAYMELRLTSDSAVYICA--REGIYWHGTTLTVSS 114
DB 61 NQKFKSKATLTVDNSSSTAYMVDRLTSDSAVYICARGPAMDYWGCGTSVTVSS 116

RESULT 8
US-10-389-155-60
; Sequence 60, Application US/10389155
; Publication No. US20030229208A1
; GENERAL INFORMATION:
; APPLICANT: Queen, Cary L.
; Co, Man Sung
; Schneider, William P.
; Landolfi, Nicholas F.
; Coelingh, Kathleen L.
; Selick, Harold E.
; TITLE OF INVENTION: Improved Humanized Immunoglobulins
; NUMBER OF SEQUENCES: 100
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/389,155
; FILING DATE: 13-Mar-2003
```

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/325,000
FILING DATE: 01-JUN-1999
APPLICATION NUMBER: US/07/290,975
FILING DATE: 28-DEC-1988
APPLICATION NUMBER: US/07/310,252
FILING DATE: 13-FEB-1989
APPLICATION NUMBER: US/07/590,274
FILING DATE: 28-SEP-1990
APPLICATION NUMBER: US/07/634,278
FILING DATE: 19-DEC-1990
APPLICATION NUMBER: US/08/484,537
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 011823-002650US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
LENGTH: 135 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 60:
US-10-389-155-60
Query Match 78.2%; Score 477; DB 15; Length 135;
Best Local Similarity 78.4%; Pred. No. 1.9e-38;
Matches 91; Conservative 10; Mismatches 13; Indels 2; Gaps 1;
QY 1 EVLOQSGPDLVKPGASVKISKASGYFTGYIHWVKQSHGKSLWIGRVIPNNGGTSY 60
Db 20 EVLOQSGPELVKPGASVKISKASGYFTDYNNHWVKQSHGKSLWIGIYIPNGGTGY 79
QY 61 NQKFKGKATLTVDKSSSTAYMELRLTSEDSAVYYCA--REGIYWGHTLTVSS 114
Db 80 NQKFKGKATLTVDKSSSTAYMELRLTSEDSAVYYCARGPRANDYWGQGISVTVSS 135
RESULT 9
US-10-422-049-5
; Sequence 5, Application US/10422049
; Publication No. US20030199679A1
; GENERAL INFORMATION:
; APPLICANT: Adair, John Robert
; APPLICANT: Achwal, Diljeet Singh
; APPLICANT: Smage, John Spencer
; APPLICANT: Bodmer, Mark William
; TITLE OF INVENTION: Recombinant Antibodies Specific For TNF-Alpha
; FILE REFERENCE: CARP0063
; CURRENT APPLICATION NUMBER: US/10/422,049
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: US/09/267,281
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 08/456,418
; PRIOR FILING DATE: 1995-06-01
; PRIOR APPLICATION NUMBER: 08/373,882
; PRIOR FILING DATE: 1995-01-17
; PRIOR APPLICATION NUMBER: 07/920,378
; PRIOR FILING DATE: 1992-09-28
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Murine
US-10-422-049-5
Query Match 78.0%; Score 475.5; DB 14; Length 121;
Best Local Similarity 76.0%; Pred. No. 2.3e-38;

Matches 92; Conservative 7; Mismatches 15; Indels 7; Gaps 1;
QY 1 EVLOQSGPDLVKPGASVKISKASGYFTGYIHWVKQSHGKSLWIGRVIPNNGGTSY 60
Db 1 EVLOQSGPELVKPGASVKIPCKASGYFTDYNDVWVKQSHGKSLQWIGNINPNNGGTIY 60
QY 61 NQKFKGKATLTVDKSSSTAYMELRLTSEDSAVYYCAREGIY-----WVGHGTLTVS 113
Db 61 NQKFKGKATLTVDKSSSTAYMELRLTSEDTAVYYCARSAFYNNYEFYFDVWGAGITTVTS 120
QY 114 S 114
Db 121 S 121
RESULT 10
US-09-929-665-20
; Sequence 20, Application US/09929665
; Publication No. US20030030101A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: Lois M. Kwasiotich: BZL 242/024
; CURRENT APPLICATION NUMBER: US/09/929,665
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,704
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 125
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-929-665-20
Query Match 77.8%; Score 474.5; DB 10; Length 125;
Best Local Similarity 76.2%; Pred. No. 3e-38;
Matches 96; Conservative 8; Mismatches 9; Indels 13; Gaps 3;
QY 1 EVLOQSGPDLVKPGASVKISKASGYFTGYI--HWVKQSHGKSLWIGRVIPNNGGTS 59
Db 1 EVLOQSGPELVKPGASVKISKASGYFTDYNNWVKQSPGKSLWIGDINPNGGTS 60
QY 60 YNQKFKGKATLTVDKSSSTAYMELRLTSEDSAVYYCAREGIY-----WVGHGT 108
Db 61 YNQKFKGKATLTVDKSSSTAYMELRLTSEDSAVYYCAR-GYISSSYWAYYAFDYWGQGT 119
QY 109 TLTVSS 114
Db 120 TVTVSS 125
RESULT 11
US-09-929-546-20
; Sequence 20, Application US/09929546
; Publication No. US20030031673A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
; FILE REFERENCE: Lois M. Kwasiotich: BZL 242/028
; CURRENT APPLICATION NUMBER: US/09/929,546
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,708
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976

APPLICANT: Refino, Canio J.
APPLICANT: Bunting, Stuart
APPLICANT: Kirchhofer, Daniel
TITLE OF INVENTION: COMBINATIONS OF ANTI-TISSUE FACTOR ANTIBODIES AND ANTICOAGULANT A
TITLE OF INVENTION: ANTIPLATELET AGENTS
FILE REFERENCE: 11669.110US11
CURRENT APPLICATION NUMBER: US/10/165,732A
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/802,083
PRIOR FILING DATE: 2001-03-08
PRIOR APPLICATION NUMBER: US 60/189,775
PRIOR FILING DATE: 2000-03-16
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 118
TYPE: PRT
ORGANISM: Mus musculus
US-10-165-732A-5

Query Match 77.1%; Score 470.5; DB 14; Length 118;
Best Local Similarity 77.8%; Pred. No. 6.8e-38;
Matches 91; Conservative 10; Mismatches 13; Indels 3; Gaps 1;

QY 1 EVLOQSGPDLVKPGASVKISKASGYSTGYIHWVKQSHGKSLEWIGRVIPNNGTSY 60
Db 1 EVLLQSGPELVKPGASVKIPCKASGYTFTEYNDWVKQSHGKSLEWIGDINPNNGTIY 60
QY 61 NQKFKGKAILTVDKSSSTAYMELRSLTSEDASVIYCARGLIY---WGHGTTLTVSS 114
Db 61 NQKFKGKATLTVDKSSSTAYLELRSLTSEDATVYFCARDHDYDFDFWQGGTTLTVSS 117

Search completed: March 8, 2004, 15:33:58
Job time : 72.8696 secs

Result No.	Score	Query Match	Length	DB	ID	Description
1	37	100.0	18	10	US-09-880-748-2964	Sequence 2964, Ap
2	37	100.0	241	10	US-09-880-748-1948	Sequence 1948, Ap
3	37	100.0	253	10	US-09-880-748-1003	Sequence 1003, Ap
4	37	100.0	253	10	US-09-880-748-1007	Sequence 1007, Ap
5	36	97.3	20	10	US-09-880-748-2743	Sequence 2743, Ap
6	36	97.3	252	10	US-09-880-748-1394	Sequence 1394, Ap
7	36	97.3	254	10	US-09-880-748-1846	Sequence 1846, Ap
8	36	97.3	255	10	US-09-880-748-1849	Sequence 1849, Ap
9	35	94.6	17	10	US-09-880-748-2960	Sequence 2960, Ap
10	35	94.6	248	10	US-09-880-748-1386	Sequence 1386, Ap
11	35	94.6	248	10	US-09-880-748-1388	Sequence 1388, Ap
12	35	94.6	249	10	US-09-880-748-9663	Sequence 9663, App
13	34	91.9	54	14	US-10-029-3862-33621	Sequence 3621, A
14	34	91.9	98	14	US-10-194-975-1	Sequence 1, Appl
15	34	91.9	98	14	US-10-125-687-17	Sequence 17, Appl

RESULT 2

US-09-880-748-1948
; Sequence 1948, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1948
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1948

Query Match 100.0%; Score 37; DB 10; Length 241;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYVHH 6
|||
DB 30 TGYVHH 35

RESULT 3
US-09-880-748-1003
; Sequence 1003, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1003
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1003

Query Match 100.0%; Score 37; DB 10; Length 253;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYVHH 6
|||
DB 106 TGYVHH 111

RESULT 4
US-09-880-748-1007
; Sequence 1007, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1007
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: Site
; LOCATION: (175)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: Site
; LOCATION: (209)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-880-748-1007

Query Match 100.0%; Score 37; DB 10; Length 253;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYVHH 6
|||
DB 106 TGYVHH 111

RESULT 5
US-09-880-748-2743
; Sequence 2743, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2743
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-2743

Query Match 97.3%; Score 36; DB 10; Length 20;

Best Local Similarity 83.3%; Pred. No. 2.3;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Query 1 TGYIYH 6
Db 9 TGYVYH 14

RESULT 6
US-09-880-748-1394
; Sequence 1394, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1394
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1394

Query Match 97.3%; Score 36; DB 10; Length 252;
Best Local Similarity 83.3%; Pred. No. 28;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Query 1 TGYIYH 6
Db 107 TGYVYH 112

RESULT 7
US-09-880-748-1846
; Sequence 1846, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1846
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1846

Query Match 97.3%; Score 36; DB 10; Length 254;
Best Local Similarity 83.3%; Pred. No. 28;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Query 1 TGYIYH 6
Db 30 TGYVYH 35

RESULT 8
US-09-880-748-1849
; Sequence 1849, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1849
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1849

Query Match 97.3%; Score 36; DB 10; Length 255;
Best Local Similarity 83.3%; Pred. No. 28;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Query 1 TGYIYH 6
Db 30 TGYVYH 35

RESULT 9
US-09-880-748-2960
; Sequence 2960, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2960
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-2960

Query Match 94.6%; Score 35; DB 10; Length 17;
Best Local Similarity 83.3%; Pred. No. 3;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
Db 8 TGYLH 13

RESULT 10
US-09-880-748-1386
; Sequence 1386, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1386
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1386

Query Match 94.6%; Score 35; DB 10; Length 248;
Best Local Similarity 83.3%; Pred. No. 43;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
Db 30 TGYLH 35

RESULT 11
US-09-880-748-1388
; Sequence 1388, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1388
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-880-748-1388
Query Match 94.6%; Score 35; DB 10; Length 248;
Best Local Similarity 83.3%; Pred. No. 43;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
Db 30 TGYLH 35

RESULT 12
US-09-880-748-963
; Sequence 963, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 963
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-963

Query Match 94.6%; Score 35; DB 10; Length 249;
Best Local Similarity 83.3%; Pred. No. 43;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGYIYH 6
Db 106 TGYLH 111

RESULT 13
US-10-029-386-33621
; Sequence 33621, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 33621
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR14.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.4
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
; OTHER INFORMATION: SWISSPROT HIT: P23083, EVALUATION 5.00e-26
US-10-029-386-33621

Query Match 91.9%; Score 34; DB 14; Length 54;
Best Local Similarity 83.3%; Pred. No. 15;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYVH 6
| | | | |
DB 37 TGYVH 42

RESULT 14

JS-10-194-975-1
; Sequence 1, Application US/10194975
; Publication No. US20030039649A1
; GENERAL INFORMATION:
; APPLICANT: Foote, Jefferson
; TITLE OF INVENTION: Super Humanized Antibodies
; FILE REFERENCE: 501231.01
; CURRENT APPLICATION NUMBER: US/10/194,975
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/305,111
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: Patent version 3.1
; SEQ ID NO 1
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
JS-10-194-975-1

Query Match 91.9%; Score 34; DB 14; Length 98;
Best Local Similarity 83.3%; Pred. No. 26;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYVH 6
| | | | |
DB 30 TGYVH 35

RESULT 15

US-10-125-687-17
; Sequence 17, Application US/10125687
; Publication No. US20030054407A1
; GENERAL INFORMATION:
; APPLICANT: Luo, Peter
; TITLE OF INVENTION: STRUCTURE-BASED CONSTRUCTION OF HUMAN ANTIBODY LIBRARY
; FILE REFERENCE: 26050-705
; CURRENT APPLICATION NUMBER: US/10/125,687
; CURRENT FILING DATE: 2002-04-17
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patent version 3.1
; SEQ ID NO 17
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-125-687-17

Query Match 91.9%; Score 34; DB 14; Length 98;
Best Local Similarity 83.3%; Pred. No. 26;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGYVH 6
| | | | |
DB 30 TGYVH 35

Search completed: March 8, 2004, 15:33:58
Job time : 3.78261 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:06:59 ; Search time 10.7174 Seconds

(without alignments)
334.933 Million cell updates/sec

Title: US-09-724-530-9

Perfect score: 93

Sequence: 1 RVIPNNGTSYNQKFKG 17

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	74	79.6	17	10	US-09-563-222-57
2	74	79.6	121	14	US-10-422-049-5
3	74	79.6	121	14	US-10-422-049-6
4	74	79.6	125	10	US-09-929-665-20
5	74	79.6	125	10	US-09-929-546-20
6	74	79.6	125	14	US-10-160-506-79
7	74	79.6	152	9	US-09-881-823-20
8	72	77.4	117	14	US-10-195-752-106
9	72	77.4	119	15	US-10-389-155-23
10	72	77.4	119	15	US-10-389-155-24
11	72	77.4	138	15	US-10-389-155-72
12	72	77.4	144	14	US-10-195-752-112
13	71	76.3	119	15	US-10-371-797-9
14	70	75.3	17	13	US-10-032-482-15
15	70	75.3	111	13	US-10-032-482-5

Query Match 79.6%; Score 74; DB 10; Length 17;
Best Local Similarity 92.9%; Pred. No. 1.4e-05;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
DB 4 PNNGGTSYNQKFKG 17

RESULT 2
US-10-422-049-5
; Sequence 5, Application US/10422049
; GENERAL INFORMATION:
; APPLICANT: Adair, John Robert
; APPLICANT: Athwal, Diljeet Singh
; APPLICANT: Emtage, John Spencer
; APPLICANT: Bodmer, Mark William

ALIGNMENTS

RESULT 1
US-09-563-222-57
; Sequence 57, Application US/09563222
; Publication No. US20030079253A1
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; APPLICANT: Hein, Mich B.
; TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEIN ARRAYS IN
; EUKARYOTIC CELLS
; FILE REFERENCE: 310098.406
; CURRENT APPLICATION NUMBER: US/09/563,222
; CURRENT FILING DATE: 2000-05-02
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 57
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-563-222-57

Sequence 9, Appli
Sequence 35, Appl
Sequence 39, Appl
Sequence 41, Appl
Sequence 42, Appl
Sequence 18, Appl
Sequence 2, Appli
Sequence 6, Appli
Sequence 6, Appli
Sequence 11, Appl
Sequence 48, Appl
Sequence 50, Appl
Sequence 50, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 6, Appli
Sequence 6, Appli
Sequence 34, Appl
Sequence 152, App
Sequence 34, Appl
Sequence 8, Appli
Sequence 8, Appli
Sequence 33, Appl
Sequence 150, App
Sequence 33, Appl
Sequence 235, App
Sequence 15, Appl
Sequence 16, Appl
Sequence 17, Appl

; TITLE OF INVENTION: Recombinant Antibodies Specific For TNF-Alpha
; FILE REFERENCE: CARP0063
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: US/10/422,049
; PRIOR FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: US/09/267,281
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 08/456,418
; PRIOR FILING DATE: 1995-06-01
; PRIOR APPLICATION NUMBER: 08/373,882
; PRIOR FILING DATE: 1995-01-17
; PRIOR APPLICATION NUMBER: 07/920,378
; PRIOR FILING DATE: 1992-09-28
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 5
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Murine
; US-10-422-049-5

Query Match 79.6%; Score 74; DB 14; Length 121;
Best Local Similarity 92.9%; Pred. No. 0.00012;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
Db 53 PNNGGTIYNQKFKG 66

RESULT 3
US-10-422-049-6
; Sequence 6, Application US/10422049
; Publication No. US20030199679A1
; GENERAL INFORMATION:
; APPLICANT: Adair, John Robert
; APPLICANT: Athwal, Diljeet Singh
; APPLICANT: Entage, John Spencer
; APPLICANT: Bodmer, Mark William
; TITLE OF INVENTION: Recombinant Antibodies Specific For TNF-Alpha
; FILE REFERENCE: CARP0063
; CURRENT APPLICATION NUMBER: US/10/422,049
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: US/09/267,281
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 08/456,418
; PRIOR FILING DATE: 1995-06-01
; PRIOR APPLICATION NUMBER: 08/373,882
; PRIOR FILING DATE: 1995-01-17
; PRIOR APPLICATION NUMBER: 07/920,378
; PRIOR FILING DATE: 1992-09-28
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Humanized
; US-10-422-049-6

Query Match 79.6%; Score 74; DB 14; Length 121;
Best Local Similarity 92.9%; Pred. No. 0.00012;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
Db 53 PNNGGTIYNQKFKG 66

RESULT 4
US-09-929-665-20
; Sequence 20, Application US/09929665

; Publication No. US20030003101A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: Lois M. Kwasiogoch; BZL 242/024
; CURRENT APPLICATION NUMBER: US/09/929,665
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,704
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 20
; LENGTH: 125
; TYPE: PRT
; ORGANISM: Mus sp.
; US-09-929-665-20

Query Match 79.6%; Score 74; DB 10; Length 125;
Best Local Similarity 92.9%; Pred. No. 0.00012;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
Db 54 PNNGGTSYNQKFKG 67

RESULT 5
US-09-929-546-20
; Sequence 20, Application US/09929546
; Publication No. US20030031673A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
; FILE REFERENCE: Lois M. Kwasiogoch; BZL 242/028
; CURRENT APPLICATION NUMBER: US/09/929,546
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,708
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 20
; LENGTH: 125
; TYPE: PRT
; ORGANISM: Mus sp.
; US-09-929-546-20

Query Match 79.6%; Score 74; DB 10; Length 125;
Best Local Similarity 92.9%; Pred. No. 0.00012;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
Db 54 PNNGGTSYNQKFKG 67

RESULT 6
US-10-160-506-79
; Sequence 79, Application US/10160506
; Publication No. US20030161832A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING OR PREVENTING
TITLE OF INVENTION: SKIN DISORDERS USING BINDING AGENTS SPECIFIC FOR
TITLE OF INVENTION: PROSTATE SPECIFIC MEMBRANE ANTIGEN

FILE REFERENCE: 10448-182001

CURRENT APPLICATION NUMBER: US/10/160,506

CURRENT FILING DATE: 2002-05-30

PRIOR APPLICATION NUMBER: 60/324,100

PRIOR FILING DATE: 2001-09-20

PRIOR APPLICATION NUMBER: 60/362,612

PRIOR FILING DATE: 2002-03-08

NUMBER OF SEQ ID NOS: 128

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 79

LENGTH: 125

TYPE: PRT

ORGANISM: Mus musculus

IS-10-160-506-79

Query Match 79.6%; Score 74; DB 14; Length 125;

Best Local Similarity 92.9%; Pred. No. 0.00012;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Y 4 PNNGGTSYNQKFK 17

b 54 PNNGGTSYNQKFK 67

RESULT 7

S-09-881-823-20

Sequence 20, Application US/09881823

Patent No. US20020068066A1

GENERAL INFORMATION:

APPLICANT: SHI, WENYUAN

APPLICANT: ANDERSON, MAXWELL

APPLICANT: MORRISON, SHERIE

APPLICANT: TRINH, RYAN

APPLICANT: WIMS, LETITIA

APPLICANT: CHEN, LI

TITLE OF INVENTION: Method for the Treatment and Prevention of Dental Caries

FILE REFERENCE: 22851-032

CURRENT APPLICATION NUMBER: US/09/881,823

CURRENT FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: US 07/378,577

PRIOR FILING DATE: 1999-08-20

NUMBER OF SEQ ID NOS: 32

SOFTWARE: PatentIn version 3.0

SEQ ID NO 20

LENGTH: 152

TYPE: PRT

ORGANISM: Murine

IS-09-881-823-20

Query Match 79.6%; Score 74; DB 9; Length 152;

Best Local Similarity 100.0%; Pred. No. 0.00015;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Y 4 PNNGGTSYNQKFK 16

b 72 PNNGGTSYNQKFK 84

RESULT 8

IS-10-195-752-106

Sequence 106, Application US/10195752

Publication No. US2003007276A1

GENERAL INFORMATION:

APPLICANT: NAKAMURA, KAZUYASU

APPLICANT: KOIKE, MASAMICHI

APPLICANT: SHITARA, KENYA

APPLICANT: HANAI, NOBUO

APPLICANT: KIWANA, YOSHIO

APPLICANT: HASEGAWA, NAMORU

TITLE OF INVENTION: HUMANIZED ANTIBODIES

NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/195,752
FILING DATE: 16-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/393,385B
FILING DATE: 27-JUN-96
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 106:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 106:
US-10-195-752-106

Query Match 77.4%; Score 72; DB 14; Length 17;
Best Local Similarity 80.0%; Pred. No. 2.9e-05;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGGTSYNQKFK 16

Db 2 IYPNNGGTGYNQKFK 16

RESULT 9

US-10-389-155-23

Sequence 23, Application US/10389155

Publication No. US20030229208A1

GENERAL INFORMATION:

APPLICANT: Queen, Cary L.

Co, Man Sung

Schneider, William P.

Landolfi, Nicholas F.

Coeligh, Kathleen L.

Selick, Harold E.

TITLE OF INVENTION: Improved Humanized Immunoglobulins

NUMBER OF SEQUENCES: 100

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/389,155

FILING DATE: 13-Mar-2003

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/325,000

FILING DATE: 01-JUN-1999

APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
APPLICATION NUMBER: US 07/310,252
FILING DATE: 13-FEB-1989
APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
APPLICATION NUMBER: US 07/634,278
FILING DATE: 19-DEC-1990
APPLICATION NUMBER: US 08/484,537
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 011823-002650US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-389-155-23

Query Match 77.4%; Score 72; DB 15; Length 119;
Best Local Similarity 92.9%; Pred. No. 0.00025;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNYGGTSYNOKEFG 17
DB 53 PNYGGTSYNOKEFG 66

RESULT 10
US-10-389-155-24
Sequence 24, Application US/10389155
Publication No. US20030229208A1
GENERAL INFORMATION:
APPLICANT: Queen, Cary L.
Co, Man Sung
Schneider, William P.
Landolfi, Nicholas F.
Coeligh, Kathleen L.
Selick, Harold E.
TITLE OF INVENTION: Improved Humanized Immunoglobulins
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/389,155
FILING DATE: 13-Mar-2003
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/325,000
FILING DATE: 01-JUN-1999
APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
APPLICATION NUMBER: US 07/310,252
FILING DATE: 13-FEB-1989
APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
APPLICATION NUMBER: US 08/484,537
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.

APPLICATION NUMBER: US 07/634,278
FILING DATE: 19-DEC-1990
APPLICATION NUMBER: US 08/484,537
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 011823-002650US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-10-389-155-24

Query Match 77.4%; Score 72; DB 15; Length 119;
Best Local Similarity 92.9%; Pred. No. 0.00025;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNYGGTSYNOKEFG 17
DB 53 PNYGGTSYNOKEFG 66

RESULT 11
US-10-389-155-72
Sequence 72, Application US/10389155
Publication No. US20030229208A1
GENERAL INFORMATION:
APPLICANT: Queen, Cary L.
Co, Man Sung
Schneider, William P.
Landolfi, Nicholas F.
Coeligh, Kathleen L.
Selick, Harold E.
TITLE OF INVENTION: Improved Humanized Immunoglobulins
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/389,155
FILING DATE: 13-Mar-2003
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/325,000
FILING DATE: 01-JUN-1999
APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
APPLICATION NUMBER: US 07/310,252
FILING DATE: 13-FEB-1989
APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
APPLICATION NUMBER: US 07/634,278
FILING DATE: 19-DEC-1990
APPLICATION NUMBER: US 08/484,537
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.

/ REGISTRATION NUMBER: 30,223
/ REFERENCE/DOCKET NUMBER: 011823-002650US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 72:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 138 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 72:
US-10-389-155-72

Query Match 77.4%; Score 72; DB 15; Length 138;
Best Local Similarity 92.9%; Pred. No. 0.00029;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
Db 72 PYNGGTSTNQKFKG 85

RESULT 12
US-10-195-752-112
/ Sequence 112, Application US/10195752
/ Publication No. US2003007276A1
/ GENERAL INFORMATION:
/ APPLICANT: NAKAMURA, KAZUYASU
/ KOIKE, MASAMICHI
/ SHITARA, KENYA
/ HANAI, NOBUO
/ KIWANA, YOSHIHISA
/ HASEGAWA, MAMORU
/ TITLE OF INVENTION: HUMANIZED ANTIBODIES
/ NUMBER OF SEQUENCES: 113
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: NIXON & VANDERHYE P.C.
/ STREET: 1100 NORTH GLEBE ROAD
/ CITY: ARLINGTON
/ STATE: VIRGINIA
/ COUNTRY: U.S.A.
/ ZIP: 22201-4714
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/195,752
/ FILING DATE: 16-Jul-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/393,385B
/ FILING DATE: 27-JUN-96
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703)816-4000
/ TELEFAX: (703)816-4100
/ INFORMATION FOR SEQ ID NO: 112:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 144 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 112:
US-10-195-752-112

Query Match 77.4%; Score 72; DB 14; Length 144;
Best Local Similarity 80.0%; Pred. No. 0.00031;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGGTSYNQKFK 16

Db 70 IYPNNGGTGYNQKFK 84

RESULT 13
US-10-371-797-9
/ Sequence 9, Application US/10371797
/ Publication No. US20040001828A1
/ GENERAL INFORMATION:
/ APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
/ APPLICANT: TUSCANO, Joseph
/ APPLICANT: TEDDER, Thomas
/ TITLE OF INVENTION: TREATMENT METHODS USING ANTI-CD22
/ TITLE OF INVENTION: ANTIBODIES
/ FILE REFERENCE: 39754-0951
/ CURRENT APPLICATION NUMBER: US/10/371,797
/ CURRENT FILING DATE: 2003-02-21
/ PRIOR APPLICATION NUMBER: US 60/420,472
/ PRIOR FILING DATE: 2002-10-21
/ PRIOR APPLICATION NUMBER: US 60/359,419
/ PRIOR FILING DATE: 2002-02-21
/ NUMBER OF SEQ ID NOS: 31
/ SOFTWARE: FastSEQ for Windows Version 4.0
/ SEQ ID NO 9
/ LENGTH: 119
/ TYPE: PRT
/ ORGANISM: homo sapiens
US-10-371-797-9

Query Match 76.3%; Score 71; DB 15; Length 119;
Best Local Similarity 92.9%; Pred. No. 0.00037;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNNGGTSYNQKFKG 17
Db 53 PFNGGTSTNQKFKG 66

RESULT 14
US-10-032-482-15
/ Sequence 15, Application US/10032482
/ Publication No. US20020197270A1
/ GENERAL INFORMATION:
/ APPLICANT: Cohen, Irun
/ APPLICANT: ROTTER, Varda
/ APPLICANT: Wolkowicz, Roland
/ APPLICANT: RUIZ, Pedro
/ APPLICANT: EREZ-ALON, Neta
/ APPLICANT: HERKEL, Johannes
/ TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS FOR INDUCTION OF ANTI-TUMOR
/ FILE REFERENCE: COHEN42
/ CURRENT APPLICATION NUMBER: US/10/032,482
/ CURRENT FILING DATE: 2002-01-02
/ PRIOR APPLICATION NUMBER: US/09/445,602
/ PRIOR FILING DATE: 2001-01-24
/ PRIOR APPLICATION NUMBER: PCT/IL98/00266
/ PRIOR FILING DATE: 1999-12-09
/ PRIOR APPLICATION NUMBER: IL 121041
/ PRIOR FILING DATE: 1997-06-09
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 15
/ LENGTH: 17
/ TYPE: PRT
/ ORGANISM: Mus musculus
US-10-032-482-15

Query Match 75.3%; Score 70; DB 13; Length 17;
Best Local Similarity 75.0%; Pred. No. 6.3e-05;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGGTSYNQKFKG 17

Db : ||||| : ||||| |||||
2 IYPNNGFTTNNQKFKG 17

RESULT 15
US-10-032-482-5
; Sequence 5, Application US/10032482
; Publication No. US20020197270A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Irvin
; APPLICANT: ROTTER, Varda
; APPLICANT: Wolkowicz, Roland
; APPLICANT: RUIZ, Pedro
; APPLICANT: EREZ-ALON, Neta
; APPLICANT: HERKEL, Johannes
; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS FOR INDUCTION OF ANTI-TUMOR
; FILE REFERENCE: COHEN42
; CURRENT APPLICATION NUMBER: US/10/032,482
; PRIOR FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: US/09/445,602
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: PCT/IL98/00266
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: IL 121041
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-032-482-5

Query Match 75.3%; Score 70; DB 13; Length 111;
Best Local Similarity 75.0%; Pred. NO. 0.0005;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 VIPNNGTTSYNQKFKG 17
Db : ||||| : ||||| |||||
48 IYPNNGFTTNNQKFKG 63

Search completed: March 8, 2004, 15:33:58
Job time : 10.7174 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:06:59 ; Search time 2.52174 Seconds
(without alignments)
334.933 Million cell updates/sec

Title: US-09-724-530-10

Perfect score: 22

Sequence: 1 EGIY 4

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	DB ID	Description
1	22	100.0	4	9	US-09-569-193A-18
2	22	100.0	4	13	US-10-057-812-18
3	22	100.0	11	13	US-09-569-193A-17
4	22	100.0	11	13	US-10-057-812-17
5	22	100.0	28	9	US-09-864-761-43895
6	22	100.0	39	14	US-10-132-585-4
7	22	100.0	61	10	US-09-764-891-4312
8	22	100.0	67	10	US-09-764-891-4339
9	22	100.0	71	9	US-09-764-855-101
10	22	100.0	71	14	US-10-072-349-101
11	22	100.0	73	14	US-10-106-898-4894
12	22	100.0	73	14	US-10-029-386-31310
13	22	100.0	82	11	US-09-864-408A-7670
14	22	100.0	94	9	US-09-815-242-4980
15	22	100.0	94	9	US-09-867-550-68

16	22	100.0	96	14	US-10-156-761-11823	Sequence 11823, A
17	22	100.0	100	9	US-09-815-242-10950	Sequence 10950, A
18	22	100.0	107	9	US-09-863-693-25	Sequence 25, Appl
19	22	100.0	107	11	US-09-373-403-25	Sequence 25, Appl
20	22	100.0	107	14	US-10-143-437-25	Sequence 25, Appl
21	22	100.0	107	15	US-10-447-331-3	Sequence 3, Appl
22	22	100.0	116	9	US-09-796-692-2452	Sequence 2452, Ap
23	22	100.0	116	14	US-10-040-882-2452	Sequence 2452, Ap
24	22	100.0	116	15	US-10-057-475B-2452	Sequence 2452, Ap
25	22	100.0	116	15	US-10-154-884B-2452	Sequence 2452, Ap
26	22	100.0	122	9	US-09-893-737-286	Sequence 286, Ap
27	22	100.0	122	15	US-10-389-155-7	Sequence 7, Appl
28	22	100.0	122	15	US-10-389-155-8	Sequence 8, Appl
29	22	100.0	122	11	US-09-864-408A-1688	Sequence 1688, Ap
30	22	100.0	124	9	US-09-896-522-6	Sequence 6, Appl
31	22	100.0	127	14	US-10-117-109-1	Sequence 1, Appl
32	22	100.0	127	14	US-10-407-078-1	Sequence 1, Appl
33	22	100.0	130	14	US-10-149-759-36	Sequence 36, Appl
34	22	100.0	130	15	US-10-443-201-36	Sequence 36, Appl
35	22	100.0	133	15	US-10-316-194-10	Sequence 10, Appl
36	22	100.0	133	15	US-10-316-194-45	Sequence 45, Appl
37	22	100.0	135	14	US-10-029-386-30184	Sequence 30184, A
38	22	100.0	138	14	US-10-143-759-44	Sequence 44, Appl
39	22	100.0	147	13	US-10-042-296-2	Sequence 2, Appl
40	22	100.0	147	13	US-10-042-296-4	Sequence 4, Appl
41	22	100.0	156	14	US-10-149-759-34	Sequence 34, Appl
42	22	100.0	161	9	US-09-864-761-34035	Sequence 34035, A
43	22	100.0	167	11	US-09-864-408A-3002	Sequence 3002, Ap
44	22	100.0	170	9	US-09-802-127-7	Sequence 7, Appl
45	22	100.0	170	13	US-10-080-960-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1
US-09-569-193A-18
; Sequence 18, Application US/09569193A
; Patent No. US2002076697A1
; GENERAL INFORMATION:
; APPLICANT: Nikiforov, Theo T.
; TITLE OF INVENTION: Kinase Assays Using Polycations
; FILE REFERENCE: 100/07930
; CURRENT APPLICATION NUMBER: US/09/569,193A
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 09/316,447
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: US 60/156,366
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/139,562
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protease product
US-09-569-193A-18

Query Match 100.0%; Score 22; DB 9; Length 4;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGIY 4
|||
Db 1 EGIY 4

RESULT 2
US-10-057-812-18
; Sequence 18, Application US/10057812

```
; Publication No. US20020197619A1
; GENERAL INFORMATION:
; APPLICANT: Nikiforov, Theo T.
; TITLE OF INVENTION: Kinase Assays Using Polycations
; FILE REFERENCE: 100/07930
; CURRENT APPLICATION NUMBER: US/10/057,812
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US/09/569,193A
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 60/156,366
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/139,562
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 4
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protease product
US-10-057-812-18

Query Match          100.0%; Score 22; DB 13; Length 4;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EGIY 4
Db 1 EGIY 4

RESULT 3
US-09-569-193A-17
; Sequence 17, Application US/09569193A
; Patent No. US20020076697A1
; GENERAL INFORMATION:
; APPLICANT: Nikiforov, Theo T.
; TITLE OF INVENTION: Kinase Assays Using Polycations
; FILE REFERENCE: 100/07930
; CURRENT APPLICATION NUMBER: US/09/569,193A
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 09/316,447
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: US 60/156,366
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/139,562
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protease substrate
; NAME/KEY: misc_feature
; LOCATION: (11)..(11)
; OTHER INFORMATION: lysinamide
US-09-569-193A-17

Query Match          100.0%; Score 22; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EGIY 4
Db 1 EGIY 4

RESULT 4
US-10-057-812-17
; Sequence 17, Application US/10057812
```

```
; Publication No. US20020197619A1
; GENERAL INFORMATION:
; APPLICANT: Nikiforov, Theo T.
; TITLE OF INVENTION: Kinase Assays Using Polycations
; FILE REFERENCE: 100/07930
; CURRENT APPLICATION NUMBER: US/10/057,812
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US/09/569,193A
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 60/156,366
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/139,562
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protease substrate
; NAME/KEY: misc_feature
; LOCATION: (11)..(11)
; OTHER INFORMATION: lysinamide
US-10-057-812-17

Query Match          100.0%; Score 22; DB 13; Length 11;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EGIY 4
Db 1 EGIY 4

RESULT 5
US-09-864-761-43895
; Sequence 43895, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Pesh, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/006666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
```

```

; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43895
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005083.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.48
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.72
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.58
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.43
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.6
; US-09-864-761-43895

```

```

Query Match      100.0%; Score 22; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EGIY 4
DB 16 EGIY 19

```

```

RESULT 6
US-10-132-585-4
; Sequence 4, Application US/10132585
; Publication No. US20030055234A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosanna
; TITLE OF INVENTION: 26030, A HUMAN RHO-GAP FAMILY MEMBER AND
; FILE OF INVENTION: EXPRESSED IN BONE MARROW, SIGNAL = 0.6
; FILE REFERENCE: MP101-101P1RM
; CURRENT APPLICATION NUMBER: US/10/132,585
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/286,581
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 39
; TYPE: PRT
; ORGANISM: unknown
; FEATURE:
; OTHER INFORMATION: PFAM consensus rhoGAP domain
; US-10-132-585-4

```

```

Query Match      100.0%; Score 22; DB 14; Length 39;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EGIY 4
DB 7 EGIY 10

```

```

RESULT 7
US-09-764-891-4312
; Sequence 4312, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4312
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (26)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (34)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (44)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-764-891-4312

```

```

Query Match      100.0%; Score 22; DB 10; Length 61;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EGIY 4
DB 8 EGIY 11

```

```

RESULT 8
US-09-764-891-4339
; Sequence 4339, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4339
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (52)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (58)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (61)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (64)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-764-891-4339

```

```

Query Match      100.0%; Score 22; DB 10; Length 67;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EGIY 4
DB 20 EGIY 23

```

```

RESULT 9
US-09-764-855-101
; Sequence 101, Application US/09764855
; Patent No. US20020119919A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P110
; CURRENT APPLICATION NUMBER: US/09/764,855
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 101
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (55)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-855-101

Query Match      100.0%; Score 22; DB 9; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EGIY 4
      ||||
Db      8 EGIY 11

RESULT 10
US-10-072-349-101
; Sequence 101, Application US/10072349
; Publication No. US20030054420A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P110C1
; CURRENT APPLICATION NUMBER: US/10/072,349
; CURRENT FILING DATE: 2002-02-11
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: Patent in Ver. 3.1
; SEQ ID NO 101
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (55)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-072-349-101

Query Match      100.0%; Score 22; DB 14; Length 71;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EGIY 4
      ||||
Db      8 EGIY 11

RESULT 11
US-10-106-698-4894
; Sequence 4894, Application US/10106698
; Publication No. US2003010960A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptid
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent in Ver. 3.0
; SEQ ID NO 4894
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4894

Query Match      100.0%; Score 22; DB 14; Length 73;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EGIY 4
      ||||
Db      8 EGIY 11

RESULT 12
US-10-029-386-31310
; Sequence 31310, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 31310
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AF107045.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.4
; OTHER INFORMATION: SWISSPROT HIT: P07742, EVALUATE 4.00e-21
US-10-029-386-31310

Query Match      100.0%; Score 22; DB 14; Length 73;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EGIY 4
      ||||
Db      38 EGIY 41

RESULT 13
US-09-864-408A-7670
; Sequence 7670, Application US/09864408A
; Publication No. US2004000947A1

```

```

; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1el Human Polynucleotides and Polypeptides Enco
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; PRIOR FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7670
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-864-408A-7670

Query Match      100.0%; Score 22; DB 11; Length 82;
Best Local Similarity 100.0%; Pred.No. 5.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EGIY 4
DB      11 EGIY 14

RESULT 14
US-09-815-242-4980
; Sequence 4980, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4980
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-815-242-4980

Query Match      100.0%; Score 22; DB 9; Length 94;
Best Local Similarity 100.0%; Pred.No. 6.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EGIY 4
DB      55 EGIY 58

```

```

RESULT 15
US-09-867-550-68
; Sequence 68, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehrahan, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-68

Query Match      100.0%; Score 22; DB 9; Length 94;
Best Local Similarity 100.0%; Pred.No. 6.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EGIY 4
DB      12 EGIY 15

Search completed: March 8, 2004, 15:33:59
Job time : 3.52174 secs

```

Sequence 99, Appl
Sequence 101, Appl
Sequence 25, Appl
Sequence 27, Appl
Sequence 28, Appl
Sequence 29, Appl
Sequence 78, Appl
Sequence 25, Appl
Sequence 27, Appl
Sequence 67, Appl
Sequence 13, Appl
Sequence 29, Appl
Sequence 1, Appl
Sequence 2, Appl
Sequence 119, Appl
Sequence 96, Appl
Sequence 328, Appl
Sequence 4, Appl
Sequence 10, Appl
Sequence 15, Appl
Sequence 8, Appl
Sequence 12, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 31, Appl
Sequence 172, Appl
Sequence 179, Appl
Sequence 180, Appl

16 29 85.3 99 15 US-10-308-817-99
17 29 85.3 99 15 US-10-308-817-101
18 29 85.3 100 9 US-09-840-459-25
19 29 85.3 100 9 US-09-840-459-27
20 29 85.3 100 9 US-09-840-459-28
21 29 85.3 100 9 US-09-840-459-29
22 29 85.3 100 14 US-10-194-975-78
23 29 85.3 100 15 US-10-308-817-25
24 29 85.3 103 15 US-10-309-784-27
25 29 85.3 107 10 US-09-913-238-67
26 29 85.3 110 14 US-10-125-687-13
27 29 85.3 110 14 US-10-091-300-29
28 29 85.3 110 15 US-10-447-331-1
29 29 85.3 110 15 US-10-447-331-2
30 29 85.3 111 9 US-09-948-049-2
31 29 85.3 111 14 US-10-194-975-119
32 29 85.3 112 9 US-09-850-165-96
33 29 85.3 112 9 US-09-263-959-328
34 29 85.3 112 9 US-09-982-992A-4
35 29 85.3 112 10 US-09-518-737-4
36 29 85.3 112 10 US-09-995-529-10
37 29 85.3 112 14 US-10-153-401-15
38 29 85.3 112 14 US-10-231-452-8
39 29 85.3 112 14 US-10-231-452-12
40 29 85.3 112 14 US-10-231-452-13
41 29 85.3 112 14 US-10-231-452-14
42 29 85.3 112 14 US-10-320-231A-31
43 29 85.3 112 15 US-10-308-817-172
44 29 85.3 112 15 US-10-308-817-179
45 29 85.3 112 15 US-10-308-817-180

ALIGNMENTS

RESULT 1
US-09-995-529-120
; Sequence 120, Application US/09995529
; Publication No. US2003009655A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffrey D.
; APPLICANT: Huse, William D.
; APPLICANT: Tang, Ying
; TITLE OF INVENTION: Humanized Collagen Antibodies and
; TITLE OF INVENTION: Related Methods
; FILE REFERENCE: P-IX 4976
; CURRENT APPLICATION NUMBER: US/09/995,529
; CURRENT FILING DATE: 2001-11-26
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 120
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic antibody mutation
US-09-995-529-120

Query Match 88.2%; Score 30; DB 10; Length 7;
Best Local Similarity 85.7%; Pred. No. 7.1e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TVSNRFS 7
Db 1 SVSNRFS 7

RESULT 2
US-10-369-493-3337
; Sequence 3337, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

DM protein - protein search, using sw model

Run on: March 8, 2004, 15:06:59 ; Search time 4.41304 Seconds
(without alignments)
334,933 Million cell updates/sec

Title: US-09-724-530-4

Perfect score: 34

Sequence: 1 TVSNRFS 7

Scoring table:

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pcp.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pcp.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pcp.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pcp.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pcp.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pcp.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pcp.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pcp.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pcp.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pcp.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pcp.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pcp.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pcp.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pcp.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pcp.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pcp.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	30	88.2	7	10	US-09-995-529-120
2	30	88.2	937	15	US-10-369-493-3337
3	29	85.3	7	9	US-09-217-2688-30
4	29	85.3	7	9	US-09-796-744-9
5	29	85.3	7	10	US-09-518-737-9
6	29	85.3	7	10	US-09-563-222-30
7	29	85.3	7	10	US-09-995-529-34
8	29	85.3	7	14	US-10-231-452-6
9	29	85.3	31	9	US-09-956-206A-15
10	29	85.3	34	9	US-09-956-206A-17
11	29	85.3	69	14	US-10-029-386-29552
12	29	85.3	75	14	US-10-029-386-33292
13	29	85.3	90	14	US-10-125-687-27
14	29	85.3	~97	9	US-09-864-761-39459
15	29	85.3	98	9	US-09-263-959-1190

APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
PRIOR FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 3337
LENGTH: 937
TYPE: PRT
ORGANISM: Neurospora crassa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(937)
OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3337

Query Match 88.2%; Score 30; DB 15; Length 937;
Best Local Similarity 71.4%; Pred. No. 3.7e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TVSNRFS 7
Db 555 TITNRFS 561

RESULT 3
US-09-217-268B-30
Sequence 9, Application US/09217268B
Patent No. US20020065398A1
GENERAL INFORMATION:
APPLICANT: Mateo de Acosta del Rio, Christina M
APPLICANT: Rodriguez, Rolando P
APPLICANT: Frias, Ernesto M
TITLE OF INVENTION: Humanized and Chimeric Monoclonal Antibodies That Recognize Epide
FILE OF INVENTION: Growth Factor Receptor (EGF-R); Diagnostic and Therapeutic Use
FILE REFERENCE: 2720.IUS
CURRENT APPLICATION NUMBER: US/09/217,268B
CURRENT FILING DATE: 1998-12-21
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn version 3.1
SEQ ID NO 30
LENGTH: 7
TYPE: PRT
ORGANISM: Murine
FEATURE:
NAME/KEY: MISC FEATURE
OTHER INFORMATION: CDR of murine R3 antibody
US-09-217-268B-30

Query Match 85.3%; Score 29; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 2 VSNRFS 7

RESULT 4
US-09-796-744-9
Sequence 9, Application US/09796744
Patent No. US20020098527A1
GENERAL INFORMATION:
APPLICANT: SHITARA, KENYA
APPLICANT: HANAI, NOBUO
APPLICANT: SHOJI, EMI
APPLICANT: SAKURADA, MIKKIKO

APPLICANT: FURUYA, AKIKO
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: NIWA, RINPEI
APPLICANT: SHIBATA, KENJI
APPLICANT: YAMASAKI, MOTOO
TITLE OF INVENTION: GENE RECOMBINANT ANTIBODY AND ANTIBODY FRAGMENT THEREOF
FILE REFERENCE: 249-170
CURRENT APPLICATION NUMBER: US/09/796,744
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: JP 2000-59508
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: JP 2000-401563
PRIOR FILING DATE: 2000-12-28
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 7
TYPE: PRT
ORGANISM: Mus musculus
US-09-796-744-9

Query Match 85.3%; Score 29; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 2 VSNRFS 7

RESULT 5
US-09-518-737-9
Sequence 9, Application US/09518737
Publication No. US20030008321A1
GENERAL INFORMATION:
APPLICANT: FUKUI, YASUHISA
APPLICANT: NAGATA, SATOSHI
APPLICANT: SHIRAI, RYUICHI
APPLICANT: SAITO, NAOAKI
TITLE OF INVENTION: MONOCLONAL ANTIBODY RECOGNIZING
FILE OF INVENTION: PHOSPHATIDYLINOSITOL-3,4-DIPHOSPHATE
FILE REFERENCE: 1965/49418
CURRENT APPLICATION NUMBER: US/09/518,737
CURRENT FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: JP 1999-250209
PRIOR FILING DATE: 1999-09-03
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 7
TYPE: PRT
ORGANISM: Mus musculus
US-09-518-737-9

Query Match 85.3%; Score 29; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
Db 2 VSNRFS 7

RESULT 6
US-09-563-222-30
Sequence 30, Application US/09563222
Publication No. US20030079253A1
GENERAL INFORMATION:
APPLICANT: Hiatt, Andrew
APPLICANT: Heir, Mich B.
TITLE OF INVENTION: IMMUNOGLOBULIN BINDING PROTEIN ARRAYS IN
FILE OF INVENTION: EUKARYOTIC CELLS
FILE REFERENCE: 310098.406

CURRENT APPLICATION NUMBER: US/09/563,222
CURRENT FILING DATE: 2000-05-02
NUMBER OF SEQ ID NOS: 197
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 30
LENGTH: 7
TYPE: PRT
ORGANISM: Mus musculus
US-09-563-222-30

Query Match 85.3%; Score 29; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
| | | | |
Db 2 VSNRFS 7

RESULT 7

US-09-995-529-34
Sequence 34, Application US/09995529
Publication No. US20030099655A1
GENERAL INFORMATION:
APPLICANT: Watkins, Jeffrey D.
APPLICANT: Huse, William D.
TITLE OF INVENTION: Humanized Collagen Antibodies and
TITLE OF INVENTION: Related Methods
FILE REFERENCE: P-IX 4976
CURRENT APPLICATION NUMBER: US/09/995,529
CURRENT FILING DATE: 2001-11-26
NUMBER OF SEQ ID NOS: 388
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 34
LENGTH: 7
TYPE: PRT
ORGANISM: Mus musculus
US-09-995-529-34

Query Match 85.3%; Score 29; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
| | | | |
Db 2 VSNRFS 7

RESULT 8

US-10-231-452-6
Sequence 6, Application US/10231452
Publication No. US20030175273A1
GENERAL INFORMATION:
APPLICANT: SHITARA, KENYA
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: HOSAKA, EMI
APPLICANT: TANAKA, AKIKO
APPLICANT: KOIKE, MASAMICHI
TITLE OF INVENTION: HUMAN CDR GRAFTED ANTIBODY AND ANTIBODY FRAGMENT THEREOF
FILE REFERENCE: 249-273
CURRENT APPLICATION NUMBER: US/10/231,452
CURRENT FILING DATE: 2003-04-18
PRIOR APPLICATION NUMBER: JP 2001-265144
PRIOR FILING DATE: 2001-08-31
NUMBER OF SEQ ID NOS: 78
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 7
TYPE: PRT
ORGANISM: Mus musculus
US-10-231-452-6

Query Match 85.3%; Score 29; DB 14; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
| | | | |
Db 2 VSNRFS 7

RESULT 9

US-09-956-206A-15
Sequence 15, Application US/09956206A
Patent No. US20020164339A1
GENERAL INFORMATION:
APPLICANT: DO COUTO, FERNANDO J.R.
APPLICANT: CERIANI, ROBERTO L.
APPLICANT: PETERSON, JERRY A.
TITLE OF INVENTION: RECOMBINANT PEPTIDES DERIVED FROM THE
TITLE OF INVENTION: MC3 ANTI-BA46 ANTIBODY, METHODS OF USE THEREOF, AND
METHODS OF HUMANIZING ANTIBODY PEPTIDES
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/09/956,206A
APPLICATION NUMBER: US/09/956,206A
FILING DATE: 19-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/525,539
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: PCT/US95/11683
FILING DATE: 14-SEP-1995
APPLICATION NUMBER: 08/487,598
FILING DATE: 7-JUNE-1995
APPLICATION NUMBER: 08/307,868
FILING DATE: 16-SEPT-1994
ATTORNEY/AGENT INFORMATION:
NAME: WITT, ERIC
REGISTRATION NUMBER: 44,408
REFERENCE/DOCKET NUMBER: 276332000101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 15:

US-09-956-206A-15

QY 2 VSNRFS 7
| | | | |
Db 2 VSNRFS 7

Query Match 85.3%; Score 29; DB 9; Length 31;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VSNRFS 7
| | | | |
Db 2 VSNRFS 7

RESULT 10

US-09-956-206A-17
; Sequence 17, Application US/09956206A
; Patent No. US2002016439A1
; GENERAL INFORMATION:
; APPLICANT: DO COUTO, FERNANDO J.R.
; CERIANI, ROBERTO L.
; PETERSON, JERRY A.
; TITLE OF INVENTION: RECOMBINANT PEPTIDES DERIVED FROM THE
; MC3 ANTI-BAG6 ANTIBODY, METHODS OF USE THEREOF, AND
; METHODS OF HUMANIZING ANTIBODY PEPTIDES
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/956,206A
; FILING DATE: 19-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/525,539
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: PCT/US95/11683
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: 08/487,598
; FILING DATE: 7-JUNE-1995
; APPLICATION NUMBER: 08/307,868
; FILING DATE: 16-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WITT, ERIC
; REGISTRATION NUMBER: 44,408
; REFERENCE/DOCKET NUMBER: 276332000101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 813-5600
; TELEFAX: (650) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-956-206A-17
Query Match 85.3%; Score 29; DB 9; Length 34;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 VSNRFS 7
Db 2 VSNRFS 7
RESULT 11
US-10-029-386-29552
; Sequence 29552, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2

; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 29552
; LENGTH: 69
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR.X.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.87
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.9
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.78
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
; OTHER INFORMATION: SWISSPROT HIT: P70398, EVALUE 5.00e-35
US-10-029-386-29552
Query Match 85.3%; Score 29; DB 14; Length 69;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 VSNRFS 7
Db 28 VSNRFS 33
RESULT 12
US-10-029-386-33292
; Sequence 33292, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 33292
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL109797.18
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3
; OTHER INFORMATION: SWISSPROT HIT: P70398, EVALUE 9.00e-40
US-10-029-386-33292
Query Match 85.3%; Score 29; DB 14; Length 75;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 VSNRFS 7
Db 26 VSNRFS 31
RESULT 13
US-10-125-687-27
; Sequence 27, Application US/10125687
; Publication No. US20030054407A1
; GENERAL INFORMATION:
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: STRUCTURE-BASED CONSTRUCTION OF HUMAN ANTIBODY LIBRARY
; FILE REFERENCE: 26050-705

;; CURRENT APPLICATION NUMBER: US/10/125,687
;; CURRENT FILING DATE: 2002-04-17
;; NUMBER OF SEQ ID NOS: 28
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 27
;; LENGTH: 90
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; JS-10-125-687-27

Query Match 85.3%; Score 29; DB 14; Length 90;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 VSNRFS 7
Db 60 VSNRFS 65

RESULT 14
US-09-864-761-39459
; Sequence 39459, Application US/09864761
; Patent No. US2002048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aemica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 39459
; LENGTH: 97

;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC002308.1
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.4
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.5
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.4
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.1
;; OTHER INFORMATION: EST HUMAN HIT: AW404358.1, EVALUATE 2.00e-46
;; OTHER INFORMATION: SWISSPROT HIT: P01705, EVALUATE 3.00e-45
US-09-864-761-39459

Query Match 85.3%; Score 29; DB 9; Length 97;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

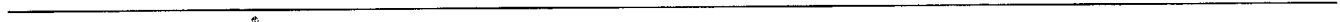
Qy 2 VSNRFS 7
Db 53 VSNRFS 58

RESULT 15
US-09-263-959-1190
; Sequence 1190, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 1190:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 98 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

Query Match 85.3%; Score 29; DB 9; Length 98;
Best Local Similarity 85.7%; Pred. No. 56;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TVSNRFS 7
Db 62 TVPNRFS 68

Search completed: March 8, 2004, 15:33:57
Job time : 4.41304 secs



GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:06:59 ; Search time 10.087 Seconds
(without alignments)
334.933 Million cell updates/sec

Title: US-09-724-530-3
Perfect score: 83
Sequence: 1 RSSOSLVHSNGNTFLH 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	80	96.4	16	10	US-09-518-737-8
2	80	96.4	100	9	US-09-840-459-27
3	80	96.4	112	10	US-09-518-737-4
4	80	96.4	139	15	US-10-371-797-29
5	77	92.8	474	14	US-10-270-555-3
6	75	90.4	116	9	US-09-753-436-66
7	75	90.4	116	14	US-10-163-942-66
8	75	90.4	127	9	US-09-753-436-45
9	75	90.4	127	14	US-10-163-942-45
10	74	89.2	100	9	US-09-840-459-25
11	74	89.2	131	14	US-10-138-505-10
12	74	89.2	245	14	US-10-138-505-40
13	74	89.2	271	14	US-10-138-505-34
14	74	89.2	274	14	US-10-138-505-32
15	73	88.0	112	9	US-09-850-165-96

16	73	88.0	252	9	US-09-887-853-4	Sequence 4, Appli
17	73	88.0	260	10	US-09-782-672-2	Sequence 2, Appli
18	73	88.0	260	10	US-09-782-671B-2	Sequence 2, Appli
19	72	86.7	16	10	US-09-563-222-29	Sequence 29, Appl
20	70	84.3	16	10	US-09-995-529-32	Sequence 32, Appl
21	70	84.3	16	10	US-09-947-839-30	Sequence 30, Appl
22	70	84.3	100	9	US-09-840-459-26	Sequence 26, Appl
23	70	84.3	100	9	US-09-840-459-28	Sequence 28, Appl
24	70	84.3	112	10	US-09-995-529-10	Sequence 10, Appl
25	70	84.3	112	14	US-10-153-401-15	Sequence 15, Appl
26	70	84.3	131	10	US-09-947-839-95	Sequence 95, Appl
27	70	84.3	140	9	US-09-341-894-4	Sequence 4, Appli
28	70	84.3	149	9	US-09-990-205-2	Sequence 2, Appli
29	70	84.3	149	14	US-10-153-401-2	Sequence 2, Appli
30	70	84.3	263	14	US-10-153-401-66	Sequence 66, Appl
31	68	81.9	16	10	US-09-947-839-68	Sequence 68, Appl
32	68	81.9	111	9	US-09-835-087-2	Sequence 2, Appli
33	68	81.9	111	9	US-09-809-739-13	Sequence 13, Appl
34	68	81.9	111	9	US-09-840-459-11	Sequence 11, Appl
35	68	81.9	111	9	US-09-840-459-59	Sequence 59, Appl
36	68	81.9	113	9	US-09-840-459-63	Sequence 63, Appl
37	68	81.9	131	10	US-09-947-839-11	Sequence 11, Appl
38	68	81.9	244	10	US-09-880-748-1991	Sequence 1991, Ap
39	68	81.9	285	9	US-09-883-758-4	Sequence 4, Appli
40	67	80.7	15	9	US-09-217-268B-29	Sequence 29, Appl
41	67	80.7	16	10	US-09-972-656-5	Sequence 5, Appli
42	67	80.7	16	10	US-09-995-529-119	Sequence 119, App
43	67	80.7	16	15	US-10-372-719-9	Sequence 9, Appli
44	67	80.7	100	14	US-10-194-975-81	Sequence 81, Appl
45	67	80.7	106	9	US-09-864-761-41749	Sequence 41749, A

ALIGNMENTS

RESULT 1
US-09-518-737-8
; Sequence 8, Application US/09518737
; Publication No. US20030008321A1
; GENERAL INFORMATION:
; APPLICANT: FUKUI, YASUHIKA
; APPLICANT: NAGATA, SATOSHI
; APPLICANT: SHIRAI, RYUICHI
; APPLICANT: SAITO, NAOAKI
; TITLE OF INVENTION: MONOCLONAL ANTIBODY RECOGNIZING
; TITLE OF INVENTION: PHOSPHATIDYLINOSITOL-3,4-DIPHOSPHATE
; FILE REFERENCE: 1965/49618
; CURRENT APPLICATION NUMBER: US/09/518,737
; CURRENT FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: JP 1999-250209
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-518-737-8

Query Match	96.4%	Score 80;	DB 10;	Length 16;
Best Local Similarity	93.8%	Pred. No. 1.2e-06;		
Matches 15;	Conservative 1;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	RSSOSLVHSNGNTFLH	16	
DB	1	RSSOSLVHSNGNTFLH	16	
RESULT 2				
US-09-840-459-27				
; Sequence 27, Application US/09840459				
; Patent No. US20020150576A1				
; GENERAL INFORMATION:				

```
; APPLICANT: LaRosa, Gregory J.
; APPLICANT: Horvath, Christopher
; APPLICANT: Newman, Walter
; APPLICANT: Jones, S. Tarran
; APPLICANT: O'Brien, Siobhan H.
; APPLICANT: O'Keefe, Theresa
; TITLE OF INVENTION: HUMANIZED ANTI-CCR2 ANTIBODIES AND
; FILE REFERENCE: 1855.1052-012
; CURRENT APPLICATION NUMBER: US/09/840.459
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: PCT/US01/03537
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/497,625
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 09/359,193
; PRIOR FILING DATE: 1999-07-22
; PRIOR APPLICATION NUMBER: 09/121,781
; PRIOR FILING DATE: 1998-07-23
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 27
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-840-459-27

Query Match          96.4%; Score 80; DB 9; Length 100;
Best Local Similarity 93.8%; Pred. No. 9e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNGTFLH 16
Db 24 RSSQSLVHSGNGTYLH 39

RESULT 3
US-09-518-737-4
; Sequence 4, Application US/09518737
; Publication No. US20030008321A1
; GENERAL INFORMATION:
; APPLICANT: FUKUI, YASUHIKA
; APPLICANT: NAGATA, SATOSHI
; APPLICANT: SHIRAI, RYUICHI
; APPLICANT: SAITO, NAOAKI
; TITLE OF INVENTION: MONOCLONAL ANTIBODY RECOGNIZING
; FILE REFERENCE: 1965/49618
; CURRENT APPLICATION NUMBER: US/09/518,737
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: JP 1999-250209
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-518-737-4

Query Match          96.4%; Score 80; DB 10; Length 112;
Best Local Similarity 93.8%; Pred. No. 1e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNGTFLH 16
Db 24 RSSQSLVHSGNGTYLH 39

RESULT 4
US-10-371-797-29
; Sequence 29, Application US/10371797
; Publication No. US20040001828A1
```

```
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: TUSCANO, Joseph
; APPLICANT: TEDDER, Thomas
; TITLE OF INVENTION: TREATMENT METHODS USING ANTI-CD22
; FILE REFERENCE: 39754-0951
; CURRENT APPLICATION NUMBER: US/10/371,797
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 60/420,472
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/359,419
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 139
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-371-797-29

Query Match          96.4%; Score 80; DB 15; Length 139;
Best Local Similarity 93.8%; Pred. No. 1.3e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNGTFLH 16
Db 43 RSSQSLVHSGNGTYLH 58

RESULT 5
US-10-270-555-3
; Sequence 3, Application US/10270555
; Publication No. US20030092068A1
; GENERAL INFORMATION:
; APPLICANT: Asahi Kasei Corporation
; TITLE OF INVENTION: Agents for adsorption and cross-linkage for adenovirus
; FILE REFERENCE: PH-1648US
; CURRENT APPLICATION NUMBER: US/10/270,555
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: JP 2001-317766
; PRIOR FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 3
; LENGTH: 474
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: a fusion protein of human CAR and a single chain Fv derived from
; OTHER INFORMATION: monoclonal antibody against human CD34 with an artificial linker
US-10-270-555-3

Query Match          92.8%; Score 77; DB 14; Length 474;
Best Local Similarity 87.5%; Pred. No. 0.00016;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNGTFLH 16
Db 385 RSSQSLVHSGNGTYLH 400

RESULT 6
US-09-753-436-66
; Sequence 66, Application US/09753436
; Patent No. US20010029293A1
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Vazeux, Rosemay
; TITLE OF INVENTION: ICAM-Related Materials and Methods
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
```

CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/753,436
FILING DATE: 05-JUN-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/382,289
FILING DATE:
APPLICATION NUMBER: US 08/487,113
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/286,754
FILING DATE: 05-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/102,852
FILING DATE: 05-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/009,266
FILING DATE: 22-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/894,061
FILING DATE: 05-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/889,724
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Joseph A., Jr.
REGISTRATION NUMBER: 38,659
REFERENCE/DOCKET NUMBER: 33282
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
LENGTH: 116 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-753-436-66

Query Match 90.4%; Score 75; DB 9; Length 116;
Best Local Similarity 87.5%; Fred. No. 7.2e-05;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHSGNNTFLH 16
DB 28 RSSQSLVHSGNNTFLH 43

RESULT 7
US-10-163-942-66
Sequence 66, Application US/10163942
Publication No. US20030199423A1
GENERAL INFORMATION:
APPLICANT: Gallatin, W. Michael
TITLE OF INVENTION: ICAM-Related Materials and Methods
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America

CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/163,942
FILING DATE: 05-JUN-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/753,436
FILING DATE: <Unknown>
APPLICATION NUMBER: 09/382,289
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/487,113
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/286,754
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: US 08/102,852
FILING DATE: 05-AUG-1993
APPLICATION NUMBER: US 08/009,266
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: US 07/894,061
FILING DATE: 05-JUN-1992
APPLICATION NUMBER: US 07/889,724
FILING DATE: 26-MAY-1992
APPLICATION NUMBER: US 07/827,689
FILING DATE: 27-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Joseph A., Jr.
REGISTRATION NUMBER: 38,659
REFERENCE/DOCKET NUMBER: 33282
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
LENGTH: 116 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 66:
US-10-163-942-66
Query Match 90.4%; Score 75; DB 14; Length 116;
Best Local Similarity 87.5%; Fred. No. 7.2e-05;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 RSSQSLVHSGNNTFLH 16
DB 28 RSSQSLVHSGNNTFLH 43
RESULT 8
US-09-753-436-45
Sequence 45, Application US/09753436
Patent No. US20010029293A1
GENERAL INFORMATION:
APPLICANT: Gallatin, W. Michael
TITLE OF INVENTION: ICAM-Related Materials and Methods
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America

ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/753,436
FILING DATE: 05-JUN-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/753,436
FILING DATE: <Unknown>
APPLICATION NUMBER: 09/382,289
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/487,113
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/286,754
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: US 08/102,852
FILING DATE: 05-AUG-1993
APPLICATION NUMBER: US 08/009,266
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: US 07/894,061
FILING DATE: 05-JUN-1992
APPLICATION NUMBER: US 07/889,724
FILING DATE: 26-MAY-1992
APPLICATION NUMBER: US 07/827,689
FILING DATE: 27-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Joseph A., Jr.
REGISTRATION NUMBER: 38,659
REFERENCE/DOCKET NUMBER: 33282
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 127 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-10-163-942-45

Query Match 90.4%; Score 75; DB 9; Length 127;
Best Local Similarity 87.5%; Pred. No. 7.9e-05;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RSSQSLVHSGNGTFLH 16
Db 38 RSSQSLVHSGNGDTYLH 53

RESULT 9
US-10-163-942-45
Sequence 45, Application US/10163942
Publication No. US20030199423A1
GENERAL INFORMATION:
APPLICANT: Gallatin, W. Michael
TITLE OF INVENTION: ICAM-Related Materials and Methods
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America

ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/753,436
FILING DATE: 05-JUN-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/382,289
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/487,113
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: US 08/286,754
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: US 08/102,852
FILING DATE: 05-AUG-1993
APPLICATION NUMBER: US 08/009,266
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: US 07/894,061
FILING DATE: 05-JUN-1992
APPLICATION NUMBER: US 07/889,724
FILING DATE: 26-MAY-1992
APPLICATION NUMBER: US 07/827,689
FILING DATE: 27-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Joseph A., Jr.
REGISTRATION NUMBER: 38,659
REFERENCE/DOCKET NUMBER: 33282
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 127 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-09-753-436-45

Query Match 90.4%; Score 75; DB 9; Length 127;
Best Local Similarity 87.5%; Pred. No. 7.9e-05;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RSSQSLVHSGNGTFLH 16
Db 38 RSSQSLVHSGNGDTYLH 53

RESULT 10
US-09-840-459-25
Sequence 25, Application US/09840459
Patent No. US20020150576A1
GENERAL INFORMATION:
APPLICANT: Larosa, Gregory J.
APPLICANT: Horvath, Christopher
APPLICANT: Newman, Walter
APPLICANT: Jones, S. Tarran
APPLICANT: O'Brien, Siobhan H.
APPLICANT: O'Keefe, Theresa
TITLE OF INVENTION: HUMANIZED ANTI-CCR2 ANTIBODIES AND
METHODS OF USE THEREFOR
FILE REFERENCE: 1855.1052-012
CURRENT APPLICATION NUMBER: US/09/840,459
CURRENT FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: PCT/US01/03537
PRIOR FILING DATE: 2001-02-02

; PRIOR APPLICATION NUMBER: 09/497,625
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: 09/359,193
; PRIOR FILING DATE: 1999-07-22
; PRIOR APPLICATION NUMBER: 09/121,781
; PRIOR FILING DATE: 1998-07-23
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 25
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Mus musculus
JS-09-840-459-25

Query Match 89.2%; Score 74; DB 9; Length 100;
Best Local Similarity 87.5%; Pred. No. 8.9e-05; Indels 0; Gaps 0;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSSQSLVHNSNGNTFLH 16
||| ||||| ||||| :||
DB 24 RSSQSLVHNSNGNTLY 39

RESULT 11
US-10-138-505-10
; Sequence 10, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Mus sp.
JS-10-138-505-10

Query Match 89.2%; Score 74; DB 14; Length 131;
Best Local Similarity 87.5%; Pred. No. 0.00012; Indels 0; Gaps 0;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 RSSQSLVHNSNGNTFLH 16
||| ||||| ||||| :||
DB 43 RSSQSLVHNSNGNTLYH 58

RESULT 12
US-10-138-505-40
; Sequence 40, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557

; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-40

Query Match 89.2%; Score 74; DB 14; Length 245;
Best Local Similarity 87.5%; Pred. No. 0.00024; Indels 0; Gaps 0;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 RSSQSLVHNSNGNTFLH 16
||| ||||| ||||| :||
DB 157 RSSQSLVHNSNGTYLH 172

RESULT 13
US-10-138-505-34
; Sequence 34, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-34

Query Match 89.2%; Score 74; DB 14; Length 271;
Best Local Similarity 87.5%; Pred. No. 0.00027; Indels 0; Gaps 0;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 RSSQSLVHNSNGNTFLH 16
||| ||||| ||||| :||
DB 175 RSSQSLVHNSNGTYLH 190

RESULT 14
US-10-138-505-32
; Sequence 32, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 274

```
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-32

Query Match      89.2%; Score 74; DB 14; Length 274;
Best Local Similarity 87.5%; Pred. No. 0.00027;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 RSSQSLVHSGNGTFLH 16
      |||||
DB      178 RSSQSLVHSGNGTYLH 193
      |||||

RESULT 15
US-09-850-165-96
; Sequence 96, Application US/09850165
; Patent No. US20020150580A1
; GENERAL INFORMATION:
; APPLICANT: NEWMAN, ROLAND A.
; APPLICANT: HANNA, NABIL
; APPLICANT: RAAB, RONALD W.
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
; FILE REFERENCE: 037003-0280614
; CURRENT APPLICATION NUMBER: US/09/850,165
; CURRENT FILING DATE: 2001-05-08
; PRIOR APPLICATION NUMBER: 09/082,472
; PRIOR FILING DATE: 1998-05-21
; PRIOR APPLICATION NUMBER: 08/476,237
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/397,072
; PRIOR FILING DATE: 1995-04-17
; PRIOR APPLICATION NUMBER: 07/912,292
; PRIOR FILING DATE: 1992-07-10
; PRIOR APPLICATION NUMBER: 07/856,281
; PRIOR FILING DATE: 1992-03-23
; PRIOR APPLICATION NUMBER: 07/735,064
; PRIOR FILING DATE: 1991-07-25
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 96
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (44)
; OTHER INFORMATION: Arg or Lys
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (109)
; OTHER INFORMATION: Val, Leu or Asn
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (112)
; OTHER INFORMATION: Arg or Lys
US-09-850-165-96

Query Match      88.0%; Score 73; DB 9; Length 112;
Best Local Similarity 87.5%; Pred. No. 0.00015;
Matches 14; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 RSSQSLVHSGNGTFLH 16
      |||||
DB      24 RSSQSLVHSGNGTYLN 39
      |||||

Search completed: March 8, 2004, 15:33:57
Job time : 10.087 secs
```

OM protein - protein search, using sw model

Run on: March 8, 2004, 15:06:59 ; Search time 70.6087 Seconds

(without alignments)

334.933 Million cell updates/sec

Title: US-09-724-530-2

Perfect score: 587

Sequence: 1 DVVVTQPLSLPVSLGQAAS.....CSQTHVPWFVGGTKLEIQ 112

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	552	94.0	139	15	US-10-371-797-29
2	541	92.2	112	10	US-09-518-737-4
3	534	91.0	252	9	US-09-887-853-4
4	532	90.6	112	10	US-09-995-529-10
5	527	89.8	131	14	US-10-138-505-6
6	527	89.8	131	14	US-10-138-505-10
7	527	89.8	245	14	US-10-138-505-40
8	527	89.8	271	14	US-10-138-505-30
9	527	89.8	271	14	US-10-138-505-34
10	527	89.8	274	14	US-10-138-505-26
11	527	89.8	274	14	US-10-138-505-32
12	527	89.8	285	9	US-09-883-758-4
13	526.5	89.7	127	9	US-09-753-436-45
14	526.5	89.7	127	14	US-10-163-942-45
15	526	89.6	149	9	US-09-990-205-2

Sequence 66, Appli
Sequence 2, Appli
Sequence 15, Appli
Sequence 35, Appli
Sequence 42, Appli
Sequence 3, Appli
Sequence 11, Appli
Sequence 15, Appli
Sequence 66, Appli
Sequence 66, Appli
Sequence 27, Appli
Sequence 17, App
Sequence 181, App
Sequence 45, Appli
Sequence 14, Appli
Sequence 179, App
Sequence 2, Appli
Sequence 27, Appli
Sequence 182, App
Sequence 2, Appli
Sequence 16, Appli
Sequence 64, Appli
Sequence 4, Appli
Sequence 119, App
Sequence 95, Appli
Sequence 180, App
Sequence 25, Appli
Sequence 6, Appli
Sequence 5, Appli
Sequence 12, Appli

ALIGNMENTS

RESULT 1

US-10-371-797-29

Sequence 29 Application US/10371797
Publication No. US20040001828A1
GENERAL INFORMATION:
APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
APPLICANT: TUSCANO, Joseph
APPLICANT: TEDDER, Thomas
TITLE OF INVENTION: TREATMENT METHODS USING ANTI-CD22
TITLE OF INVENTION: ANTIBODIES
FILE REFERENCE: 39754-0351
CURRENT APPLICATION NUMBER: US/10/371,797
CURRENT FILING DATE: 2003-02-21
PRIOR FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: US 60/420,472
PRIOR FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: US 60/359,419
NUMBER OF SEQ ID NOS: 31
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 29
LENGTH: 139
TYPE: PRT
ORGANISM: homo sapiens
US-10-371-797-29

Query Match 94.0%; Score 552; DB 15; Length 139;
Best Local Similarity 93.8%; Pred. No. 7.4e-48;
Matches 105; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVSLGQAASISCRSSQSLVHNSGNTFLHWLQKPGSQPKLLIYTVSNRF 60

Db 20 DVVVTQPLSLPVSLGQAASISCRSSQSLVHNSGNTFLHWLQKPGSQPKLLIYTVSNRF 79

QY 61 SGVDFRSGSGSGTDFTLKISRVEADLGVYFCQSQTHTVPTFGGQTKLEIQ 112

Db 80 SGVDFRSGSGSGTDFTLKISRVEADLGVYFCQSQTHTVPTFGGQTKLEIK 131

RESULT 2
US-09-518-737-4
; Sequence 4, Application US/09518737
; Publication No. US20030008321A1
; GENERAL INFORMATION:
; APPLICANT: FUKUI, YASUHIKA
; APPLICANT: NAGATA, SATOSHI
; APPLICANT: SHIRAI, RYUICHI
; APPLICANT: SAITO, NAOAKI
; TITLE OF INVENTION: MONOCLONAL ANTIBODY RECOGNIZING
; FILE REFERENCE: 1965/49618
; CURRENT APPLICATION NUMBER: US/09/518,737
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: JP 1999-250209
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 4
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-518-737-4

Query Match 92.2%; Score 541; DB 10; Length 112;
Best Local Similarity 92.0%; Pred. No. 7.4e-47;
Matches 103; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVSGLGQAASISCRSSQSLVHNSGNTFLHWYLOKFGQSPKLLIYTVSNRF 60
DB 1 DVVVTQPLSLPVSGLGQAASISCRSSQSLVHNSGNTFLHWYLOKFGQSPKLLIYTVSNRF 60

QY 61 SGVDPDRSGSGGTDFTLKISRVEADLGVYFCSQTHVPWTFGGGTKLEIQ 112
DB 61 SGVDPDRSGSGGTDFTLKISRVEADLGVYFCSQTHVPWTFGGGTKLEIK 112

RESULT 3
US-09-887-853-4
; Sequence 4, Application US/09887853
; Patent No. US20020168375A1
; GENERAL INFORMATION:
; APPLICANT: Huston, James S.
; Oppermann, Hermann
; Houston, L. L.
; Ring, David B.
; TITLE OF INVENTION: Biosynthetic Binding Proteins For
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Testa, Hurwitz & Thibault/Patent Department
; STREET: Exchange Place, 53 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/887,853
; FILING DATE: 21-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/133,804
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Kelley, Robin D.
; REGISTRATION NUMBER: 34,637
; REFERENCE/DOCKET NUMBER: 2054/22
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-248-7477
TELEFAX: 617-248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-887-853-4

Query Match 91.0%; Score 534; DB 9; Length 252;
Best Local Similarity 92.0%; Pred. No. 9.3e-46;
Matches 103; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVSGLGQAASISCRSSQSLVHNSGNTFLHWYLOKFGQSPKLLIYTVSNRF 60
DB 134 DVVVTQPLSLPVSGLGQAASISCRSSQSLVHNSGNTFLHWYLOKFGQSPKLLIYTVSNRF 193

QY 61 SGVDPDRSGSGGTDFTLKISRVEADLGVYFCSQTHVPWTFGGGTKLEIQ 112
DB 194 SGVDPDRSGSGGTDFTLKISRVEADLGVYFCSQTHVPWTFGGGTKLEIK 245

RESULT 4
US-09-995-529-10
; Sequence 10, Application US/09995529
; Publication No. US20030039655A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffrey D.
; APPLICANT: Huse, William D.
; APPLICANT: Tang, Ying
; TITLE OF INVENTION: Humanized Collagen Antibodies and
; TITLE OF INVENTION: Related Methods
; FILE REFERENCE: P-IX 4976
; CURRENT APPLICATION NUMBER: US/09/995,529
; CURRENT FILING DATE: 2001-11-26
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-995-529-10

Query Match 90.6%; Score 532; DB 10; Length 112;
Best Local Similarity 89.3%; Pred. No. 5.9e-46;
Matches 100; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVSGLGQAASISCRSSQSLVHNSGNTFLHWYLOKFGQSPKLLIYTVSNRF 60
DB 1 DVVVTQPLSLPVSGLGQAASISCRSSQSLVHNSGNTFLHWYLOKFGQSPKLLIYTVSNRF 60

QY 61 SGVDPDRSGSGGTDFTLKISRVEADLGVYFCSQTHVPWTFGGGTKLEIQ 112
DB 61 SGVDPDRSGSGGTDFTLKISRVEADLGVYFCSQTHVPWTFGGGTKLEIK 112

RESULT 5
US-10-138-505-6
; Sequence 6, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FURUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10

; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 6
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-6

Query Match 89.8%; Score 527; DB 14; Length 131;
Best Local Similarity 90.2%; Pred. No. 2.3e-45;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 DVVVTQTPLSLPVSILGQAASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 20 DVVMTQTPLSLPVSILGDAQASISCRSSQSLHSGKNTYLOWYLOKPGQSPKLLIYKYSNRF 79
QY 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
DB 80 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPYTFGGTKLEIK 131

RESULT 6

US-10-138-505-10
; Sequence 10, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138.505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523.095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 10
; LENGTH: 131
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-10

Query Match 89.8%; Score 527; DB 14; Length 131;
Best Local Similarity 90.2%; Pred. No. 2.3e-45;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 DVVVTQTPLSLPVSILGQAASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 20 DVVMTQTPLSLPVSILGDAQASISCRSSQSLHSGKNTYLOWYLOKPGQSPKLLIYKYSNRF 79
QY 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
DB 80 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPYTFGGTKLEIK 131

RESULT 7

US-10-138-505-40
; Sequence 40, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138.505

; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523.095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 40
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-40

Query Match 89.8%; Score 527; DB 14; Length 245;
Best Local Similarity 90.2%; Pred. No. 4.5e-45;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 DVVVTQTPLSLPVSILGQAASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 134 DVVMTQTPLSLPVSILGDAQASISCRSSQSLHSGKNTYLOWYLOKPGQSPKLLIYKYSNRF 193
QY 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
DB 194 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPYTFGGTKLEIK 245

RESULT 8

US-10-138-505-30
; Sequence 30, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138.505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523.095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 30
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-30

Query Match 89.8%; Score 527; DB 14; Length 271;
Best Local Similarity 90.2%; Pred. No. 5.1e-45;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 DVVVTQTPLSLPVSILGQAASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 152 DVVMTQTPLSLPVSILGDAQASISCRSSQSLHSGKNTYLOWYLOKPGQSPKLLIYKYSNRF 211
QY 61 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPWTFGGTKLEIQ 112
DB 212 SGVPRFSGSGGTDFTLKISRVEAEDLGVYFCSTHVPYTFGGTKLEIK 263

RESULT 9

US-10-138-505-34
; Sequence 34, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138.505

; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 34
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-34

Query Match 89.8%; Score 527; DB 14; Length 271;
Best Local Similarity 90.2%; Pred. No. 5.1e-45;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 152 DVVMTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 211
QY 61 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIQ 112
DB 212 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIK 263

RESULT 10
US-10-138-505-26
; Sequence 26, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi
; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 26
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-26

Query Match 89.8%; Score 527; DB 14; Length 274;
Best Local Similarity 90.2%; Pred. No. 5.1e-45;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 155 DVVMTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 214
QY 61 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIQ 112
DB 215 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIK 266

RESULT 11
US-10-138-505-32
; Sequence 32, Application US/10138505
; Publication No. US20030108546A1
; GENERAL INFORMATION:
; APPLICANT: FUKUSHIMA, Naoshi

; APPLICANT: UNO, Shinsuke
; APPLICANT: OH-EDA, Masayoshi
; APPLICANT: KIKUCHI, Yasufumi
; TITLE OF INVENTION: APOPTOSIS-INDUCING SINGLE-CHAIN FV
; FILE REFERENCE: 065678/0102
; CURRENT APPLICATION NUMBER: US/10/138,505
; CURRENT FILING DATE: 2002-05-06
; PRIOR APPLICATION NUMBER: US/09/523,095
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: JP 11-63557
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 32
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-138-505-32

Query Match 89.8%; Score 527; DB 14; Length 274;
Best Local Similarity 90.2%; Pred. No. 5.1e-45;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;
QY 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 155 DVVMTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 214
QY 61 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIQ 112
DB 215 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIK 266

RESULT 12
US-09-883-758-4
; Sequence 4, Application US/09883758
; Patent No. US20020058804A1
; GENERAL INFORMATION:
; APPLICANT: Barbas III, Carlos F.
; APPLICANT: Shabat, Doron
; APPLICANT: Rader, Christoph
; APPLICANT: List, Benjamin
; APPLICANT: Lerner, Richard A.
; TITLE OF INVENTION: PRODRUG ACTIVATION USING CATALYTIC ANTIBODIES
; FILE REFERENCE: PLF00115
; CURRENT APPLICATION NUMBER: US/09/883,758
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US/09/318,661
; PRIOR FILING DATE: 1999-05-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 285
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
; OTHER INFORMATION: residue sequence of catalytic fragment
US-09-883-758-4

Query Match 89.8%; Score 527; DB 9; Length 285;
Best Local Similarity 91.1%; Pred. No. 5.4e-45;
Matches 102; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
QY 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
DB 23 DVVMTQPLSLPVSLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 82
QY 61 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIQ 112
DB 83 SGVDPDRFSGSGGTDFTLTKISRVEAEDLGVYFCSTQTHVPWTFGGTKLEIK 134

RESULT 13

Db 75 SGVDRFGSGSGTDFTLKISRVEADLGVYFCSQSTHVPVTFGGTKLEIK 127

RESULT 14

US-10-163-942-45

Sequence 45, Application US/10163942

Publication No. US20030199423A1

GENERAL INFORMATION:

APPLICANT: Gallatin, W. Michael

TITLE OF INVENTION: ICAM-Related Materials and Methods

NUMBER OF SEQUENCES: 120

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/163,942

FILING DATE: 05-JUN-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/753,436

FILING DATE: <Unknown>

APPLICATION NUMBER: 09/382,289

FILING DATE: <Unknown>

APPLICATION NUMBER: US 08/487,113

FILING DATE: 07-JUN-1995

APPLICATION NUMBER: US 08/286,754

FILING DATE: 05-AUG-1994

APPLICATION NUMBER: US 08/102,852

FILING DATE: 05-AUG-1993

APPLICATION NUMBER: US 08/009,266

FILING DATE: 22-JAN-1992

APPLICATION NUMBER: US 07/894,061

FILING DATE: 05-JUN-1992

APPLICATION NUMBER: US 07/889,724

FILING DATE: 26-MAY-1992

APPLICATION NUMBER: US 07/827,689

FILING DATE: 27-JAN-1992

ATTORNEY/AGENT INFORMATION:

NAME: Williams, Joseph A., Jr.

REGISTRATION NUMBER: 38,659

REFERENCE/DOCKET NUMBER: 33282

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 127 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 45:

US-10-163-942-45

Query Match 89.7%; Score 526.5; DB 14; Length 127;

Best Local Similarity 89.4%; Pred. No. 2.4e-45;

Matches 101; Conservative 8; Mismatches 3; Indels 1; Gaps 1;

QY 1 DVVVTQTPLSLPVSLGQAQASICRSQSLVHNSNGNTFLHWYLOKPGQSPKLLIYTVSNRF 60

Db 15 DAVMTQTPLSLPVSLGQAQASICRSQSLVHNSNGNTFLHWYLOKPGQSPKLLIYTVSNRF 74

QY 61 SGVDRFGSGSGTDFTLKISRVEADLGVYFCSQSTHVPVTFGGTKLEIQ 112

US-09-753-436-45

Sequence 45, Application US/09753436

Patent No. US20010029293A1

GENERAL INFORMATION:

APPLICANT: Gallatin, W. Michael

TITLE OF INVENTION: ICAM-Related Materials and Methods

NUMBER OF SEQUENCES: 120

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/753,436

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/382,289

FILING DATE:

APPLICATION NUMBER: US 08/487,113

FILING DATE: 07-JUN-1995

APPLICATION NUMBER: US 08/286,754

FILING DATE: 05-AUG-1994

APPLICATION NUMBER: US 08/102,852

FILING DATE: 05-AUG-1993

APPLICATION NUMBER: US 08/009,266

FILING DATE: 22-JAN-1993

APPLICATION NUMBER: US 07/894,061

FILING DATE: 05-JUN-1992

APPLICATION NUMBER: US 07/889,724

FILING DATE: 26-MAY-1992

APPLICATION NUMBER: US 07/827,689

FILING DATE: 27-JAN-1992

ATTORNEY/AGENT INFORMATION:

NAME: Williams, Joseph A., Jr.

REGISTRATION NUMBER: 38,659

REFERENCE/DOCKET NUMBER: 33282

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300

TELEFAX: (312) 474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 127 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-753-436-45

Query Match 89.7%; Score 526.5; DB 9; Length 127;

Best Local Similarity 89.4%; Pred. No. 2.4e-45;

Matches 101; Conservative 8; Mismatches 3; Indels 1; Gaps 1;

QY 1 DVVVTQTPLSLPVSLGQAQASICRSQSLVHNSNGNTFLHWYLOKPGQSPKLLIYTVSNRF 60

Db 15 DAVMTQTPLSLPVSLGQAQASICRSQSLVHNSNGNTFLHWYLOKPGQSPKLLIYTVSNRF 74

QY 61 SGVDRFGSGSGTDFTLKISRVEADLGVYFCSQSTHVPVTFGGTKLEIQ 112

Db 75 SGVPRFGSGSGTDFTLKLSRVEADLGVIYFCQSQTHVPYTFGGTKLEIK 127

RESULT 15

US-09-990-205-2

Sequence 2, Application US/09990205

Patent No. US20020150572A1

GENERAL INFORMATION:

APPLICANT: FOON, Kenneth A.

APPLICANT: CHATTERJEE, Malaya

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE TREATMENT OF PSORIASIS

FILE REFERENCE: 304142000501

CURRENT APPLICATION NUMBER: US/09/990,205

CURRENT FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: U.S. 09/192,838

PRIOR FILING DATE: 1998-11-16

PRIOR APPLICATION NUMBER: U.S. 60/065,774

PRIOR FILING DATE: 1997-11-17

NUMBER OF SEQ ID NOS: 5

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 149

TYPE: PRT

ORGANISM: Mus Musculus

US-09-990-205-2

Query Match 89.6%; Score 526; DB 9; Length 149;

Best Local Similarity 88.4%; Pred. No. 3.3e-45;

Matches 99; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 DVVVTQTPLSLPVSIGACASISCRSSQSLVHSGNGTFLHWYLOKPGOSPKLLIYTVSNRF 60

Db 20 DVLMTQTPLSLPVSIGDQASISCRSSQSLVHSGNGTYLEWYLOKPGQSPNLLIYFVSNRF 79

QY 61 SGVPRFGSGSGTDFTLKLSRVEADLGVIYFCQSQTHVPYTFGGTKLEIQ 112

Db 80 SGVPRFGSGSGTDFTLKLSRVEADLGVIYFCQSQTHVPYTFGGTKLEIK 131

Search completed: March 8, 2004, 15:33:57

Job time : 70.6087 secs